

## DC-2690MHz / 3300-5925MHz Dual-band Diplexer

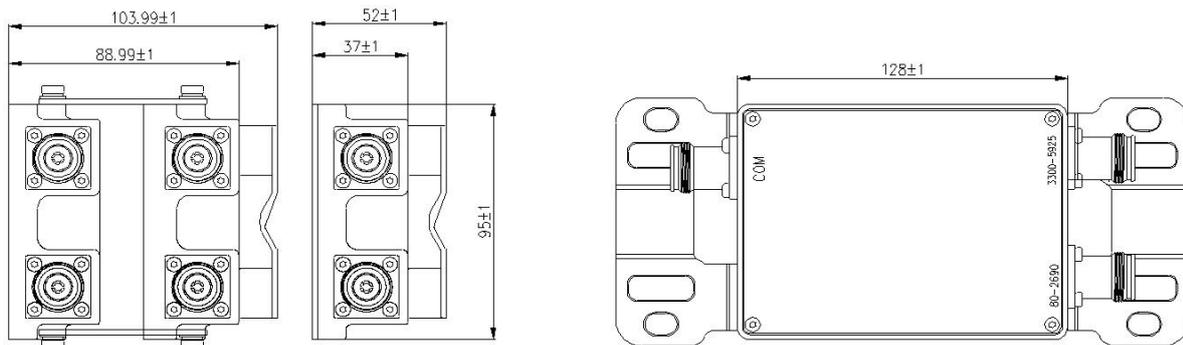
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



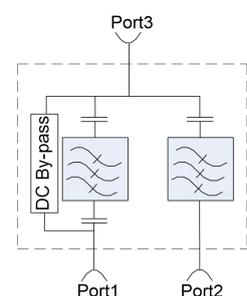
Frequency band	Port 1	Port 2
	DC – 2690 MHz	3300 – 5925 MHz
Insertion loss	≤0.4dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	100 W	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-40°C to +85 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP2659-43S	Single	1.4	181*103*52	4.3-10/ Female
BR-DIP2659-43D	Double	2.8	181*103*106	4.3-10/ Female
BR-DIP2659-7/16S	Single	1.4	181*103*52	7/16/ DIN Female
BR-DIP2659-7/16D	Double	2.8	181*103*106	7/16/ DIN Female
BR-DIP2659-NS	Single	1.4	181*103*52	N/ Female
BR-DIP2659-ND	Double	2.8	181*103*106	N/ Female

### Schematic diagram



## 2300-2360MHz / 2500-2690MHz Dual-band Diplexer

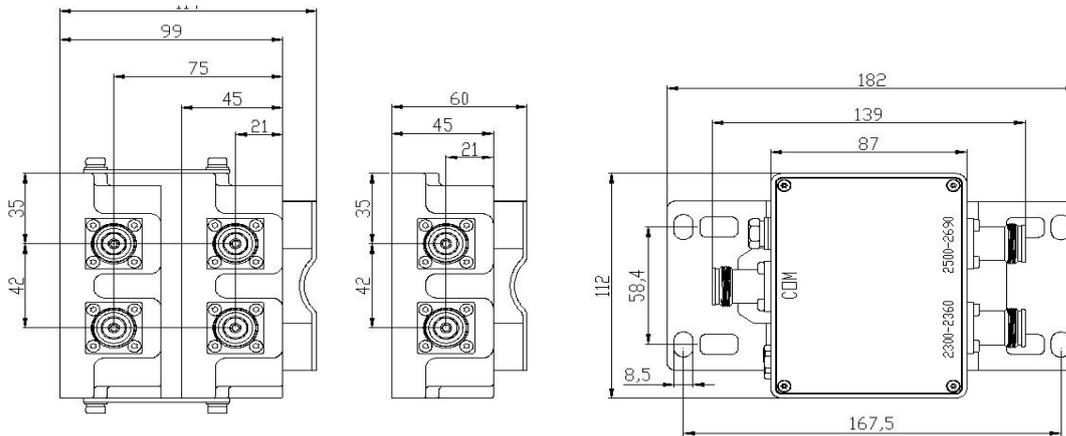
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



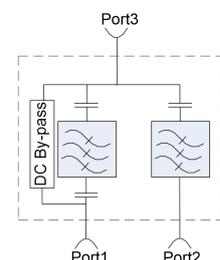
Frequency band	Port 1	Port 2
	2300-2360MHz	2500-2690MHz
Insertion loss	≤0.4dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-40°C to +85 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP67)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP2326-43S	Single	1.1	181*103*52	4.3-10/ Female
BR-DIP2326-43D	Double	2.2	181*103*106	4.3-10/ Female
BR-DIP2326-7/16S	Single	1.1	181*103*52	7/16/ DIN Female
BR-DIP2326-7/16D	Double	2.2	181*103*106	7/16/ DIN Female
BR-DIP2326-NS	Single	1.1	181*103*52	N/ Female
BR-DIP2326-ND	Double	2.2	181*103*106	N/ Female

### Schematic diagram



## 698-960MHz / 1695-2690MHz Dual-band Diplexer

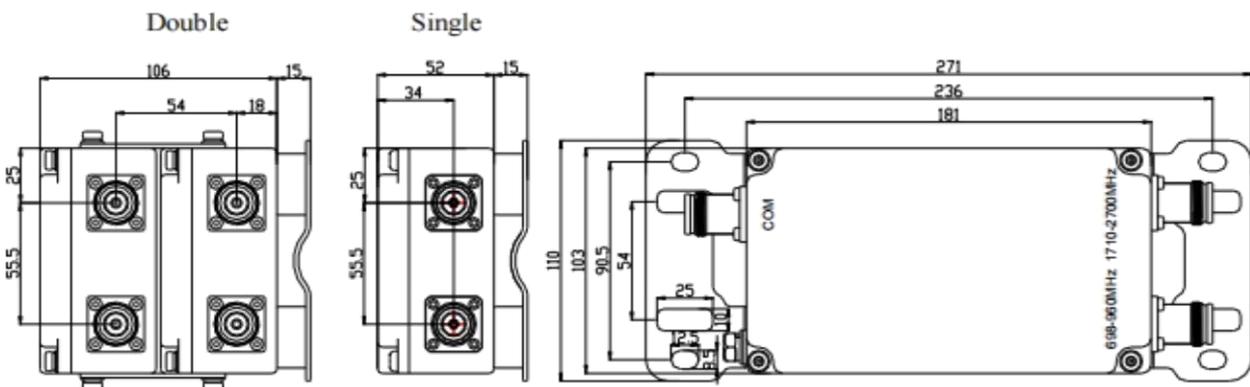
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



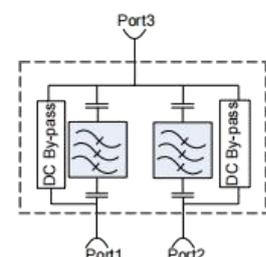
Frequency band	Port 1	Port 2
	698-960 MHz	1695-2690 MHz
Insertion loss	<0.25 dB	
Return loss	≥19dB	
Isolation	≥70 dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350 μ s pulse	
Input power	300 W	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 ° C to +75 ° C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0626-43S	Single	1.8	181*103*52	4.3-10/ Female
BR-DIP0626-43D	Double	1.6	181*103*106	4.3-10/ Female
BR-DIP0626-7/16S	Single	1.8	181*103*52	7/16/ DIN Female
BR-DIP0626-7/16D	Double	1.6	181*103*106	7/16/ DIN Female
BR-DIP0626-NS	Single	1.8	181*103*52	N/ Female
BR-DIP0626-ND	Double	1.6	181*103*106	N/ Female

### Schematic diagram



## 698-2170MHz / 2300-2700MHz Dual-band Diplexer

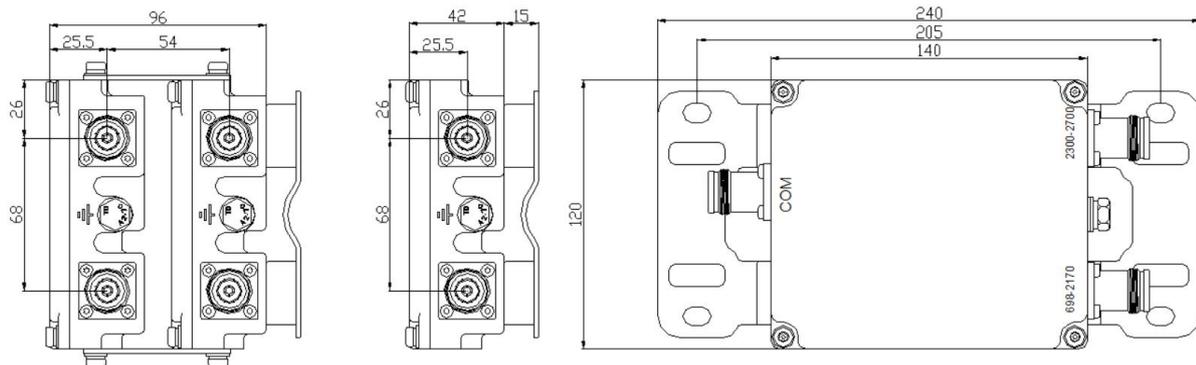
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



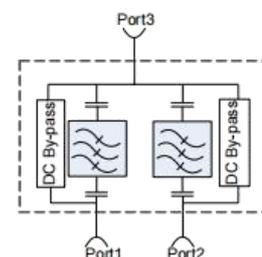
Frequency band	Port 1	Port 2
	698-2170 MHz	2300-2700 MHz
Insertion loss	≤0.4dB	
Return loss	≥19dB	
Isolation	≥60dB	
Intermodulation	-160 dBc @ 2 x 43 dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20° C to +65° C	
Storage temperature range	-35° C to +75° C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0627-43S	Single			4.3-10/ Female
BR-DIP0627-43D	Double			4.3-10/ Female
BR-DIP0627-7/16S	Single			7/16/ DIN Female
BR-DIP0627-7/16D	Double			7/16/ DIN Female
BR-DIP0627-NS	Single			N/ Female
BR-DIP0627-ND	Double			N/ Female

### Schematic diagram



## DC-2690MHz / 3300-5925MHz Dual-band Diplexer

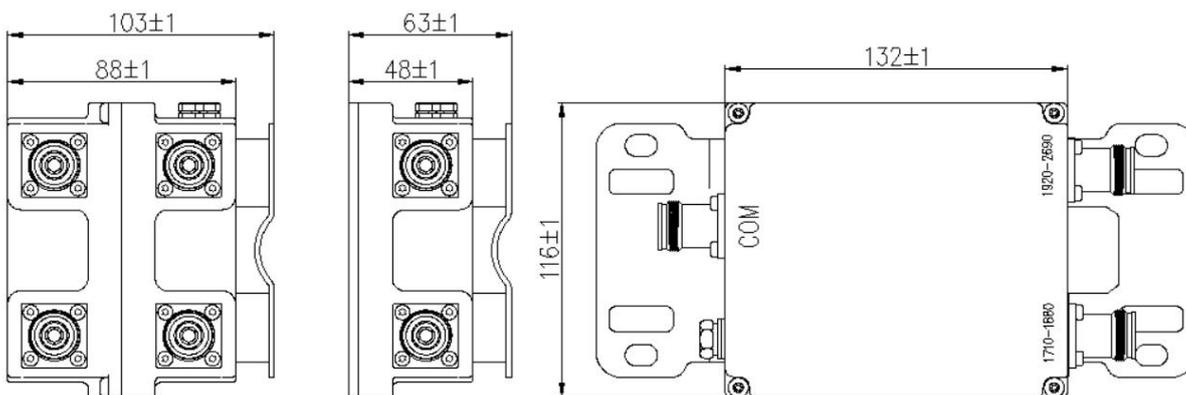
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



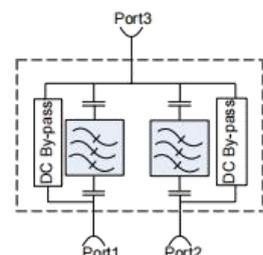
Frequency band	Port 1	Port 2
	1710-1880 MHz	1920-2690 MHz
Insertion loss	≤0.5dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP1726-43S	Single			4.3-10/ Female
BR-DIP1726-43D	Double			4.3-10/ Female
BR-DIP1726-7/16S	Single			7/16/ DIN Female
BR-DIP1726-7/16D	Double			7/16/ DIN Female
BR-DIP1726-NS	Single			N/ Female
BR-DIP1726-ND	Double			N/ Female

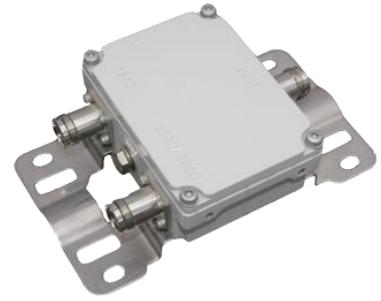
### Schematic diagram



## 1710-1880MHz / 1920-2170MHz Dual-band Diplexer

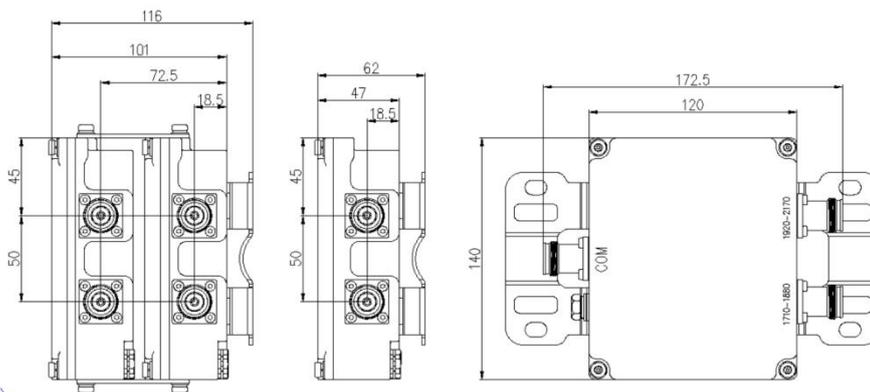
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



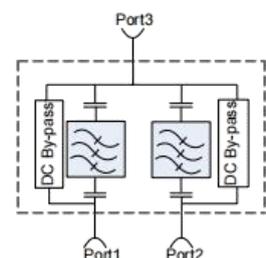
Frequency band	Port 1	Port 2
	1710-1880MHz	1920-2170 MHz
Insertion loss	≤0.4dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 ° C to +75 ° C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP1721-43S	Single	1.2	140*120*47	4.3-10/ Female
BR-DIP1721-43D	Double	2.4	140*120*101	4.3-10/ Female
BR-DIP1721-7/16S	Single	1.2	140*120*47	7/16/ DIN Female
BR-DIP1721-7/16D	Double	2.4	140*120*101	7/16/ DIN Female
BR-DIP1721-NS	Single	1.2	140*120*47	N/ Female
BR-DIP1721-ND	Double	2.4	140*120*101	N/ Female

### Schematic diagram



## 1427-1880MHz / 1920-2170MHz Dual-band Diplexer

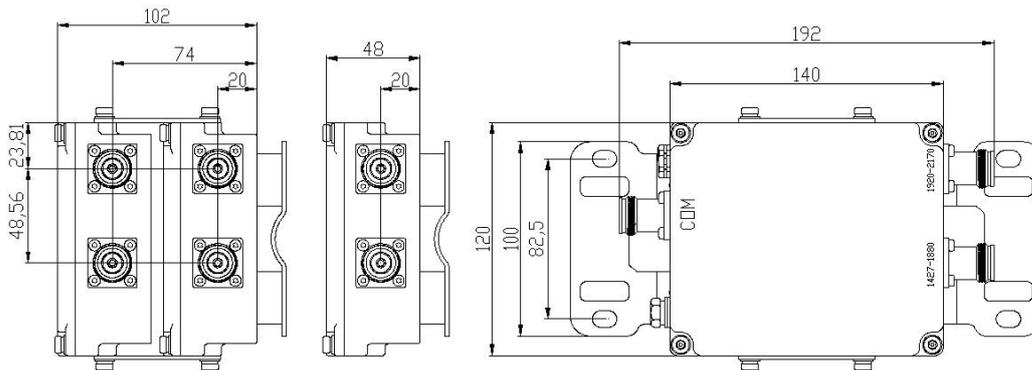
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



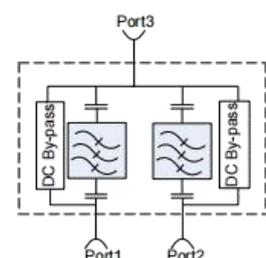
Frequency band	Port 1	Port 2
	1427-1880 MHz	1920-2170 MHz
Insertion loss	≤0.5dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	100 W	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP1421-43S	Single	1.3	140*120*48	4.3-10/ Female
BR-DIP1421-43D	Double	2.6	140*120*102	4.3-10/ Female
BR-DIP1421-7/16S	Single	1.3	140*120*48	7/16/ DIN Female
BR-DIP1421-7/16D	Double	2.6	140*120*102	7/16/ DIN Female
BR-DIP1421-NS	Single	1.3	140*120*48	N/ Female
BR-DIP1421-ND	Double	2.6	140*120*102	N/ Female

### Schematic diagram



## 698-862MHz / 880-960MHz Dual-band Diplexer

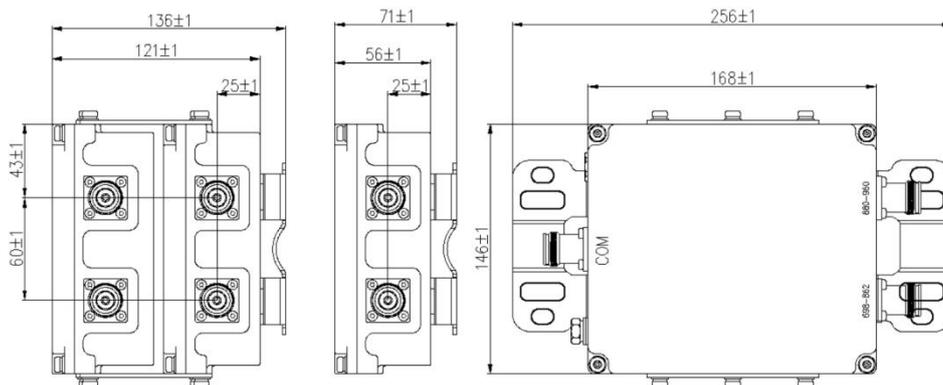
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



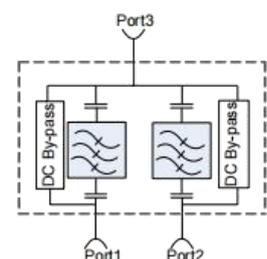
Frequency band	Port 1	Port 2
	698-862 MHz	880-960 MHz
Insertion loss	≤0.5dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0609-43S	Single	2.7	168*146*56	4.3-10/ Female
BR-DIP0609-43D	Double	5.4	168*146*12	4.3-10/ Female
BR-DIP0609-7/16S	Single	2.7	168*146*56	7/16/ DIN Female
BR-DIP0609-7/16D	Double	5.4	168*146*12	7/16/ DIN Female
BR-DIP0609-NS	Single	2.7	168*146*56	N/ Female
BR-DIP0609-ND	Double	5.4	168*146*12	N/ Female

### Schematic diagram



## 1695-2180MHz / 2300-2700MHz Dual-band Diplexer

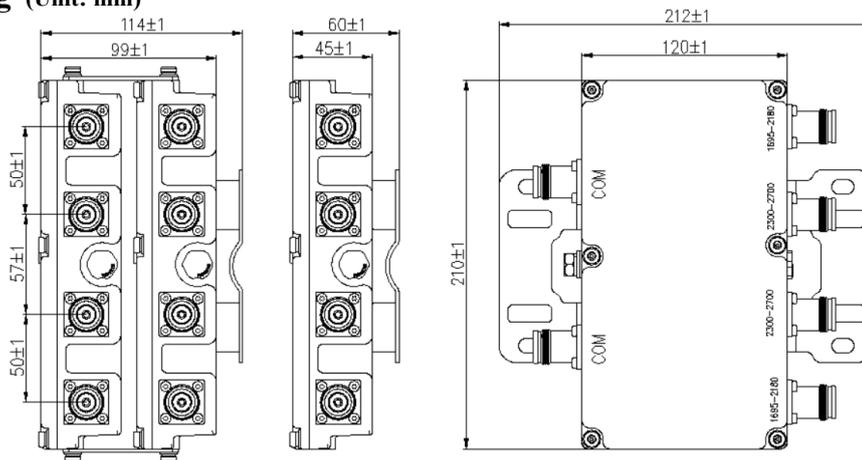
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



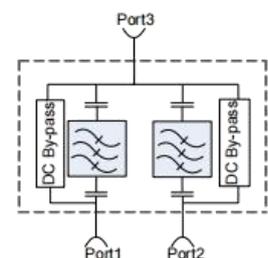
Frequency band	Port1& Port4	Port2& Port3
	1695-2180 MHz	2300-2700 MHz
Insertion loss	≤0.4dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP1627-43S	Single	2.6	210*120*45	4.3-10/ Female
BR-DIP1627-43D	Double	5.2	210*120*99	4.3-10/ Female
BR-DIP1627-7/16S	Single	2.6	210*120*45	7/16/ DIN Female
BR-DIP1627-7/16D	Double	5.2	210*120*99	7/16/ DIN Female
BR-DIP1627-NS	Single	2.6	210*120*45	N/ Female
BR-DIP1627-ND	Double	5.2	210*120*99	N/ Female

### Schematic diagram



## 488-602MHz / 620-758MHz Dual-band Diplexer

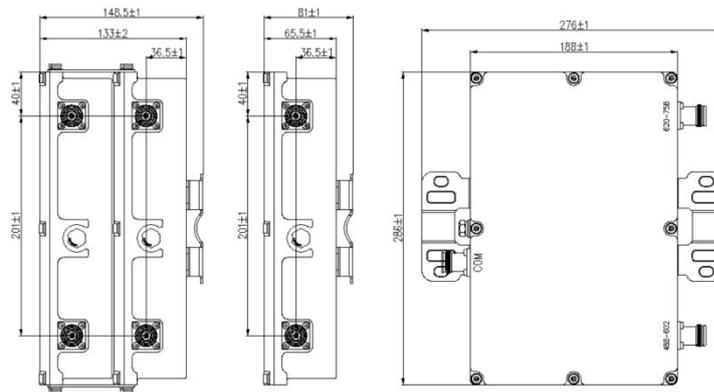
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



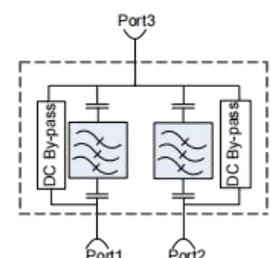
Frequency band	Port 1	Port 2
	488-602 MHz	620-758 MHz
Insertion loss	<1.0dB	
Return loss	≥19dB	
Isolation	≥95 dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	100 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 ° C to +75 ° C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0407-43S	Single	4.5	286*188*65.5	4.3-10/ Female
BR-DIP0407-43D	Double	9	286*188*133	4.3-10/ Female
BR-DIP0407-7/16S	Single	4.5	286*188*65.5	7/16/ DIN Female
BR-DIP0407-7/16D	Double	9	286*188*133	7/16/ DIN Female
BR-DIP0407-NS	Single	4.5	286*188*65.5	N/ Female
BR-DIP0407-ND	Double	9	286*188*133	N/ Female

### Schematic diagram



## DC-2700MHz / 3300-3800MHz Dual-band Diplexer

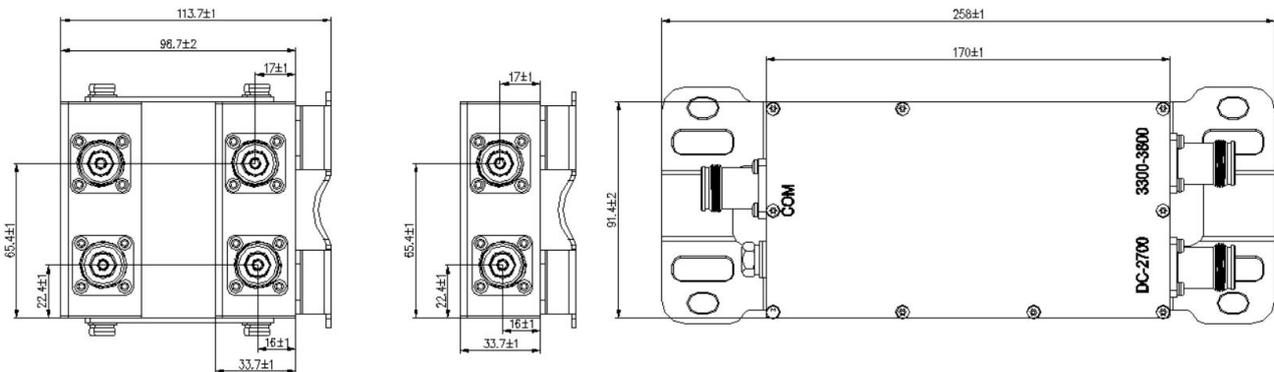
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



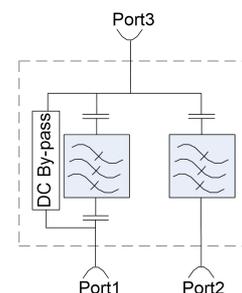
Frequency band	Port 1	Port 2
	DC-2700 MHz	3300-3800 MHz
Insertion loss	<0.3dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP2738-43S	Single	1.5	170*91*34	4.3-10/ Female
BR-DIP2738-43D	Double	3	170*91*99	4.3-10/ Female
BR-DIP2738-NS	Single	1.5	170*91*34	N/ Female
BR-DIP2738-ND	Double	3	170*91*99	N/ Female

### Schematic diagram



## 790-862MHz / 880-960MHz Dual-band Diplexer

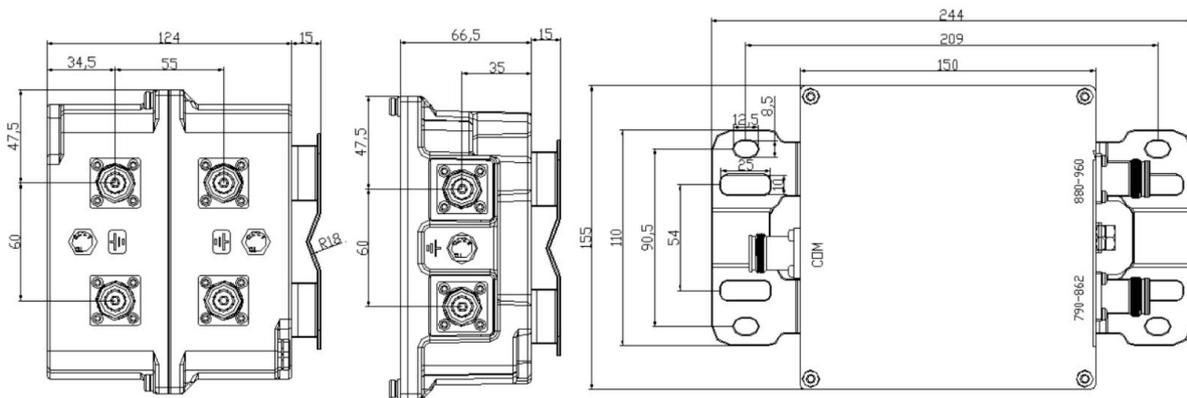
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



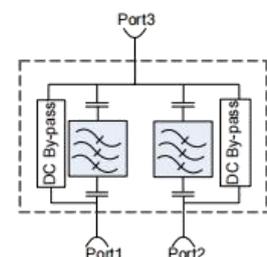
Frequency band	Port 1	Port 2
	790-862 MHz	880-960 MHz
Insertion loss	≤0.4dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0709-43S	Single	2.6	155*150*66.5	4.3-10/ Female
BR-DIP0709-43D	Double	5.1	155*150*124	4.3-10/ Female
BR-DIP0709-7/16S	Single	2.6	155*150*66.5	7/16/ DIN Female
BR-DIP0709-7/16D	Double	5.1	155*150*124	7/16/ DIN Female
BR-DIP0709-NS	Single	2.6	155*150*66.5	N/ Female
BR-DIP0709-ND	Double	5.1	155*150*124	N/ Female

### Schematic diagram



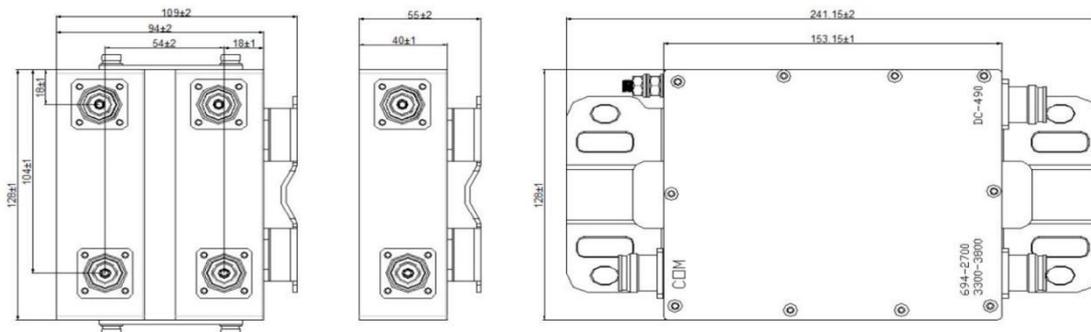
## DC-490MHz / 694-2700&3300-3800MHz Dual-band Diplexer

### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies

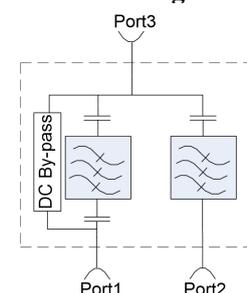
Frequency band	Port 1	Port 2
	DC – 490MHz	694-2700&3300-3800 MHz
Insertion loss	<0.3dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)@port1	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0438-43S	Single	2	153*128*40	4.3-10/ Female
BR-DIP0438-43D	Double	4	111*100*94	4.3-10/ Female
BR-DIP0438-7/16S	Single	2	153*128*40	7/16/ DIN Female
BR-DIP0438-7/16D	Double	4	111*100*94	7/16/ DIN Female
BR-DIP0438-NS	Single	2	153*128*40	N/ Female
BR-DIP0438-ND	Double	4	111*100*94	N/ Female

### Schematic diagram



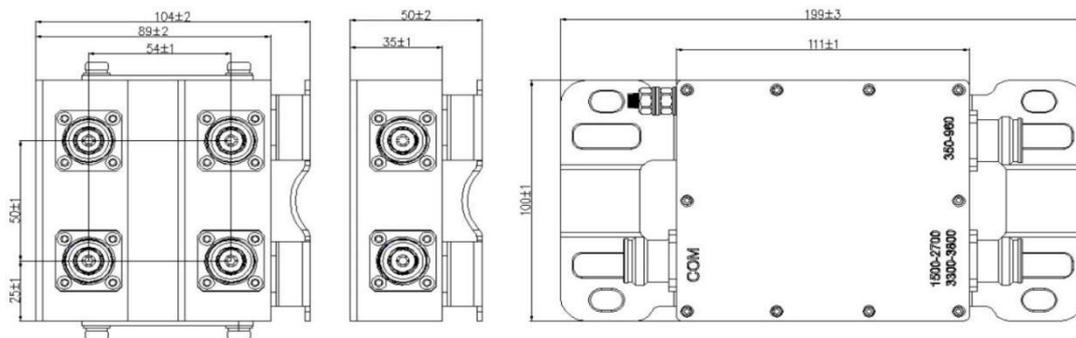
## 350-960MHz / 1500-2700&3300-3800MHz Dual-band Diplexer

### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies

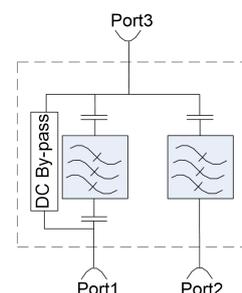
Frequency band	Port 1	Port 2
	350-960MHz	1500-2700&3300-3800 MHz
Insertion loss	<0.3dB	
Return loss	≥19dB	
Isolation	≥50dB	
Intermodulation	≤-160dBc@2*43dBm	
Impedance	50 Ω	
DC/AISG	By-pass(max.3000mA)Port1	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0338-43S	Single	1.2	111*100*35	4.3-10/ Female
BR-DIP0338-43D	Double	2.4	111*100*89	4.3-10/ Female
BR-DIP0338-7/16S	Single	1.2	111*100*35	7/16/ DIN Female
BR-DIP0338-7/16D	Double	2.4	111*100*89	7/16/ DIN Female
BR-DIP0338-NS	Single	1.2	111*100*35	N/ Female
BR-DIP0338-ND	Double	2.4	111*100*89	N/ Female

### Schematic diagram



## 889-909MHz / 934-954MHz Dual-band Diplexer

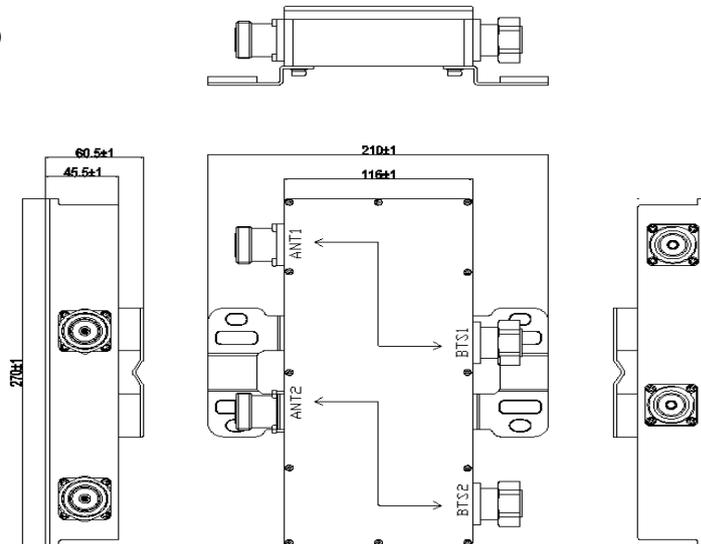
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Future-proof frequency range for next-gen wireless technologies



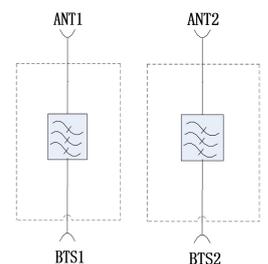
Frequency band	Port 1	Port 2
	889-909MHz	934-954MHz
Insertion loss	<1.5dB@889-909 <0.3dB@934-954	
Return loss	≥19dB	
Isolation	≥50 dB@DC-884	
Intermodulation	-150 dBc @ 2 x 43 dBm	
Impedance	50 Ω	
DC/AISG	/	
Lightning protection	10KA; 10/350us pulse	
Input power	200 W(avg.)	
Operation temperature range	-20°C to +65°C	
Storage temperature range	-35 °C to +75 °C	
Relative humidity	5%-95%	
Ingress protection	Indoor or outdoor (IP66)	

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-DIP0809-43S	Single	2.2	270X116X45	4.3-10/ Female
BR-DIP0809-43D	Double	/	/	4.3-10/ Female
BR-DIP0809-7/16S	Single	2.2	270X116X45	7/16/ DIN Female
BR-DIP0809-7/16D	Double	/	/	7/16/ DIN Female
BR-DIP0809-NS	Single	2.2	270X116X45	N/ Female
BR-DIP0809-ND	Double	/	/	N/ Female

### Schematic diagram



## 617-2360MHz / 2496-2690MHz / 3300-4200MHz Triple-band Combiner (Triplexer)

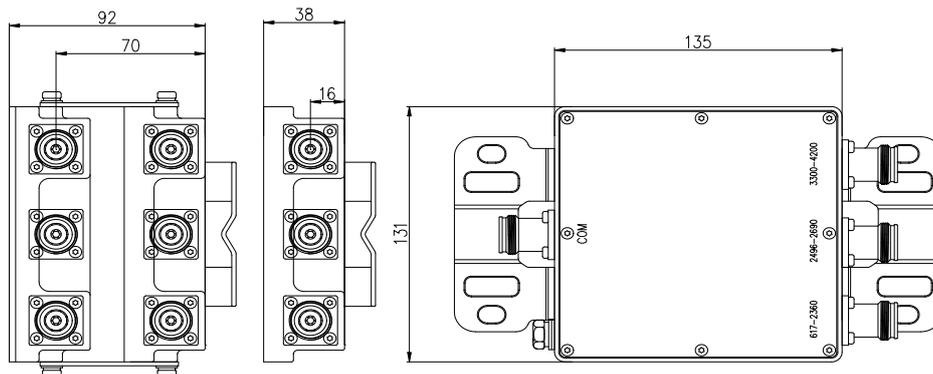
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



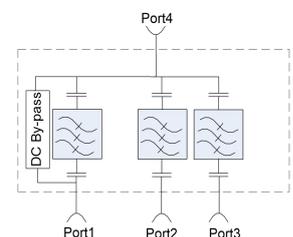
Frequency band	Port 1	Port 2	Port 3
		617-2360 MHz	2496-2690 MHz
Insertion loss	<0.6dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA) Port1		
Lightning protection	10KA; 10/350us pulse		
Input power	100 W		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP062642-43S	Single	1.2	135*131*38	4.3-10/ Female
BR-TRIP062642-43D	Double	2.4	135*131*92	4.3-10/ Female
BR-TRIP062642-7/16S	Single	1.2	135*131*38	7/16/ DIN Female
BR-TRIP062642-7/16D	Double	2.4	135*131*92	7/16/ DIN Female
BR-TRIP062642-NS	Single	1.2	135*131*38	N/ Female
BR-TRIP062642-ND	Double	2.4	135*131*92	N/ Female

### Schematic diagram



## 698-960MHz / 1710-2170MHz / 2300-2700MHz Triple-band Combiner (Triplexer)

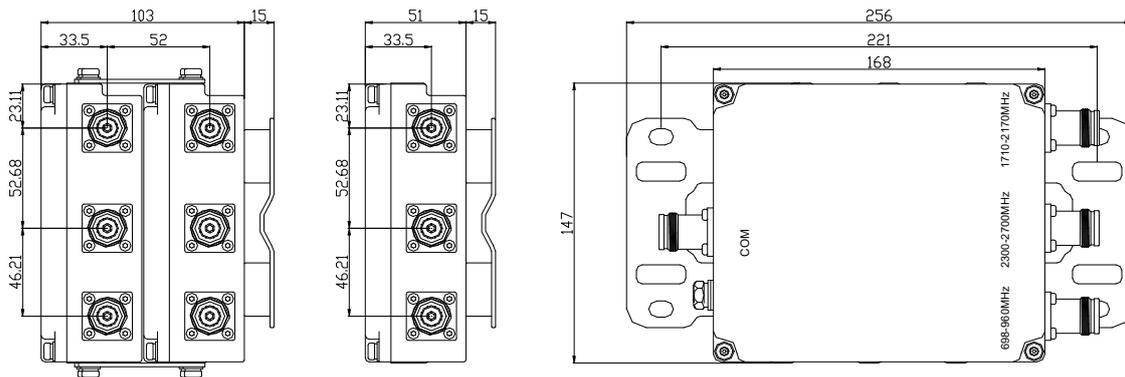
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



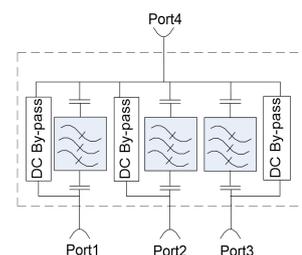
Frequency band	Port 1	Port 2	Port 3
		698-960 MHz	1710-2170 MHz
Insertion loss	<0.3dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP062127-43S	Single	2.4	168*147*51	4.3-10/ Female
BR-TRIP062127-43D	Double	4.8	168*147*103	4.3-10/ Female
BR-TRIP062127-7/16S	Single	2.4	168*147*51	7/16/ DIN Female
BR-TRIP062127-7/16D	Double	4.8	168*147*103	7/16/ DIN Female
BR-TRIP062127-NS	Single	2.4	168*147*51	N/ Female
BR-TRIP062127-ND	Double	4.8	168*147*103	N/ Female

### Schematic diagram



## 698-960MHz / 1710-1880MHz / 1920-2170MHz Triple-band Combiner (Triplexer)

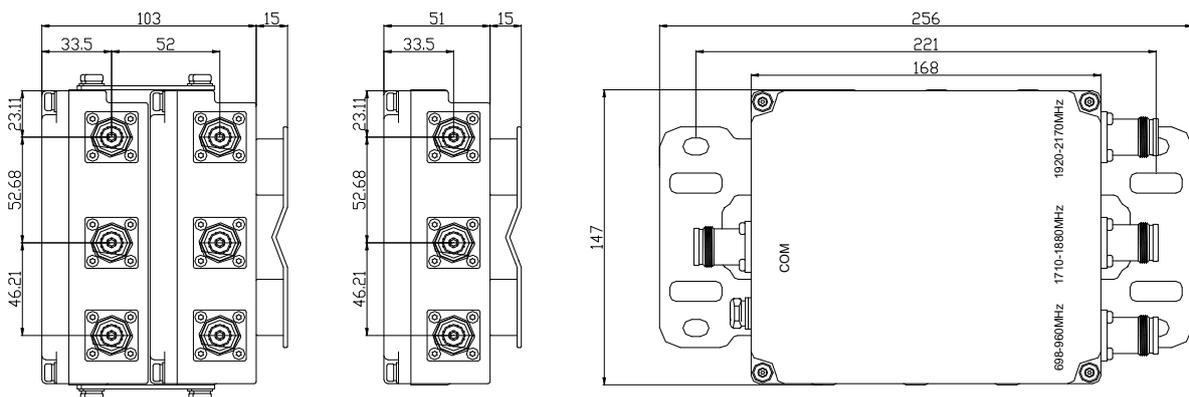
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



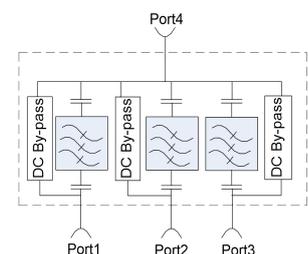
Frequency band	Port 1	Port 2	Port 3
		698-960 MHz	1710-1880 MHz
Insertion loss	<0.4dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP061821-43S	Single			4.3-10/ Female
BR-TRIP061821-43D	Double			4.3-10/ Female
BR-TRIP061821-7/16S	Single			7/16/ DIN Female
BR-TRIP061821-7/16D	Double			7/16/ DIN Female
BR-TRIP061821-NS	Single			N/ Female
BR-TRIP061821-ND	Double			N/ Female

### Schematic diagram



## 617-798MHz / 815-896MHz / 1695-2690MHz Triple-band Combiner (Triplexer)

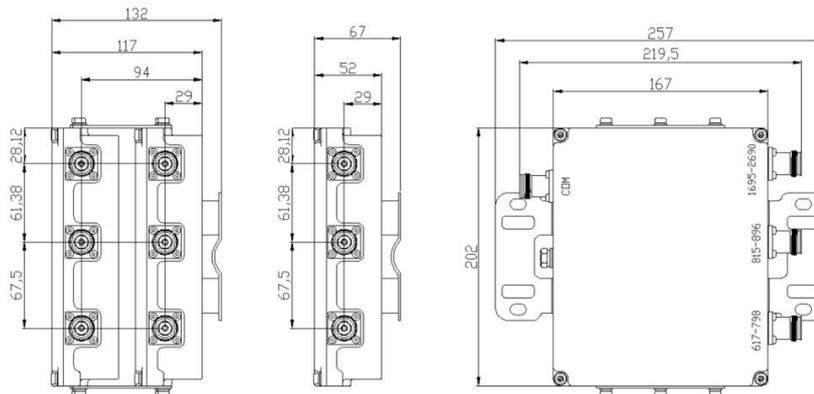
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



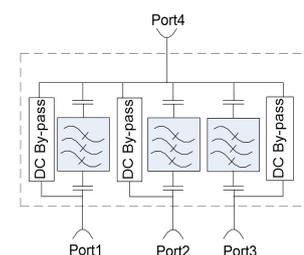
Frequency band	Port 1	Port 2	Port 3
		617-798 MHz	815-896 MHz
Insertion loss	<0.6dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	-155 dBc @ 2 x 43 dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP060826-43S	Single	3.2	202*167*52	4.3-10/ Female
BR-TRIP060826-43D	Double	6.4	202*167*117	4.3-10/ Female
BR-TRIP060826-7/16S	Single	3.2	202*167*52	7/16/ DIN Female
BR-TRIP060826-7/16D	Double	6.4	202*167*117	7/16/ DIN Female
BR-TRIP060826-NS	Single	3.2	202*167*52	N/ Female
BR-TRIP060826-ND	Double	6.4	202*167*117	N/ Female

### Schematic diagram



## 1850-2000MHz / 1695-1780MHz / 2110-2200MHz Triple-band Combiner (Triplexer)

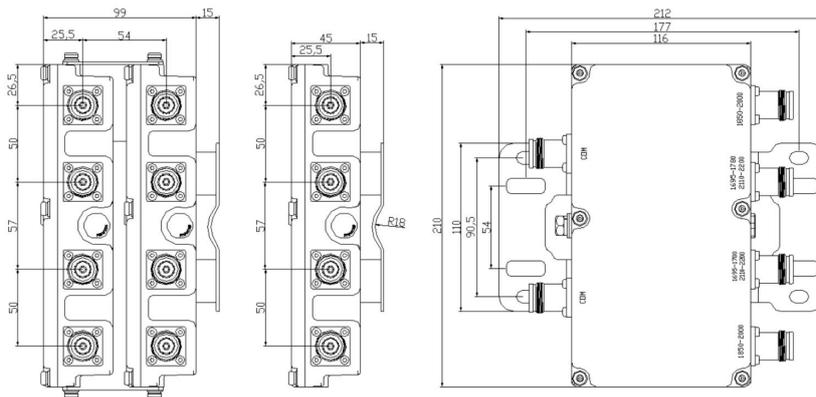
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



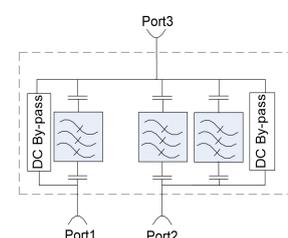
Frequency band	Port 1	Port 2	
	1850-2000 MHz	1695-1780 MHz	2110-2200 MHz
Insertion loss	<0.4dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP181722-43S	Single	3	210*116*45	4.3-10/ Female
BR-TRIP181722-43D	Double	6	210*116*99	4.3-10/ Female
BR-TRIP181722-7/16S	Single	3	210*116*45	7/16/ DIN Female
BR-TRIP181722-7/16D	Double	6	210*116*99	7/16/ DIN Female
BR-TRIP181722-NS	Single	3	210*116*45	N/ Female
BR-TRIP181722-ND	Double	6	210*116*99	N/ Female

### Schematic diagram



## 600-960MHz / 1695-2700MHz / 3300-3800MHz Triple-band Combiner (Triplexer)

### Key Features:

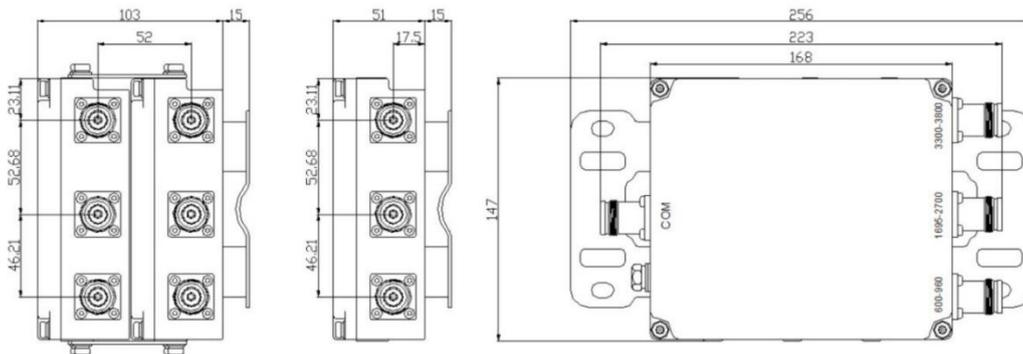
- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies

Product picture



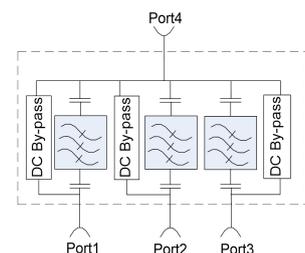
Frequency band	Port 1	Port 2	Port 3
		600-960 MHz	1695-2700 MHz
Insertion loss	<0.3dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP062738-43S	Single	2.6	168*147*51	4.3-10/ Female
BR-TRIP062738-43D	Double	5.2	168*147*103	4.3-10/ Female
BR-TRIP062738-7/16S	Single	2.6	168*147*51	7/16/ DIN Female
BR-TRIP062738-7/16D	Double	5.2	168*147*103	7/16/ DIN Female
BR-TRIP062738-NS	Single	2.6	168*147*51	N/ Female
HT-TRIP062738-ND	Double	5.2	168*147*103	N/ Female

### Schematic diagram



## 1710-1880MHz / 1920-2170MHz / 2300-2700MHz Triple-band Combiner (Triplexer)

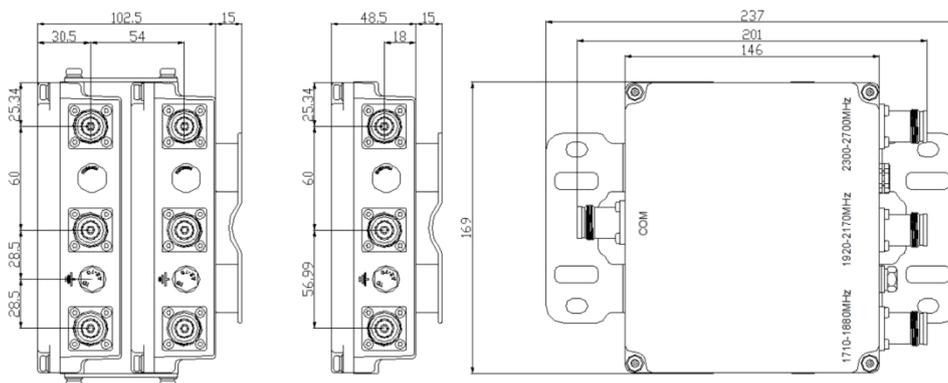
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



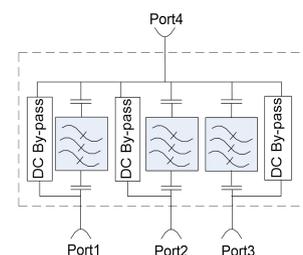
Frequency band	Port 1	Port 2	Port 3
	1710-1880 MHz	1920-2170 MHz	2300-2700 MHz
Insertion loss	<0.4dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP172127-43S	Single	2.6	169*146*48.5	4.3-10/ Female
BR-TRIP172127-43D	Double	5.2	169*146*102.5	4.3-10/ Female
BR-TRIP172127-7/16S	Single	2.6	169*146*48.5	7/16/ DIN Female
BR-TRIP172127-7/16D	Double	5.2	169*146*102.5	7/16/ DIN Female
BR-TRIP172127-NS	Single	2.6	169*146*48.5	N/ Female
BR-TRIP172127-ND	Double	5.2	169*146*102.5	N/ Female

### Schematic diagram



## 698-2170MHz / 2300-2400MHz / 2500-2700MHz Triple-band Combiner (Triplexer)

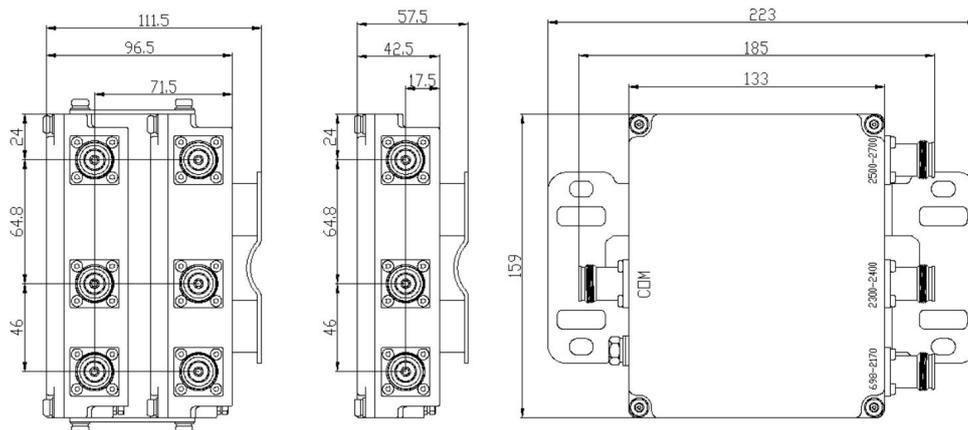
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



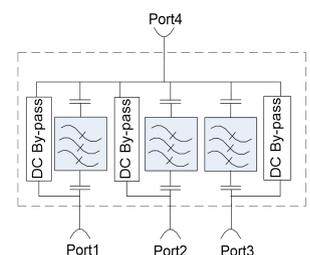
Frequency band	Port 1	Port 2	Port 3
	698-2170 MHz	2300-2400 MHz	2500-2700 MHz
Insertion loss	<0.4dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP062427-43S	Single	2.2	159*133*42.5	4.3-10/ Female
BR-TRIP062427-43D	Double	4.4	159*133*96.5	4.3-10/ Female
BR-TRIP062427-7/16S	Single	2.2	159*133*42.5	7/16/ DIN Female
BR-TRIP062427-7/16D	Double	4.4	159*133*96.5	7/16/ DIN Female
BR-TRIP062427-NS	Single	2.2	159*133*42.5	N/ Female
BR-TRIP062427-ND	Double	4.4	159*133*96.5	N/ Female

### Schematic diagram



## 600-2170MHz / 2500-2700MHz / 3300-3800MHz Triple-band Combiner (Triplexer)

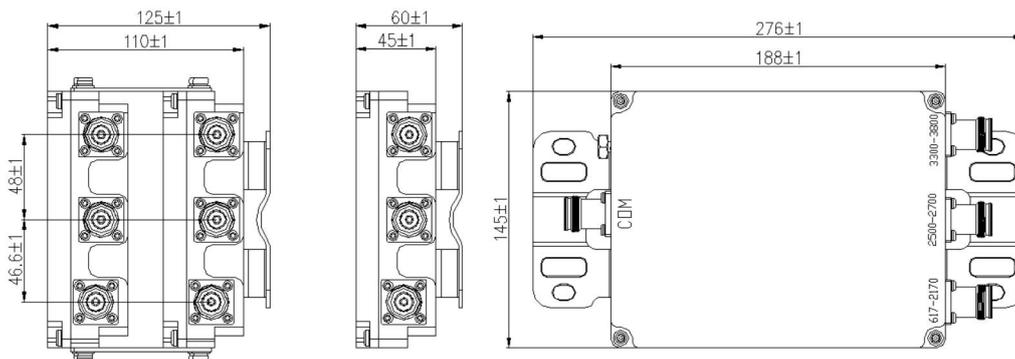
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



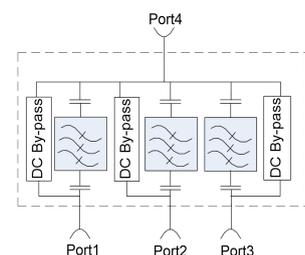
Frequency band	Port 1	Port 2	Port 3
	600-2170 MHz	2500-2700 MHz	3300-3800 MHz
Insertion loss	<0.3dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP062738-43S	Single	2.4	188*145*45	4.3-10/ Female
BR-TRIP062738-43D	Double	4.8	188*145*110	4.3-10/ Female
BR-TRIP062738-7/16S	Single	2.4	188*145*45	7/16/ DIN Female
BR-TRIP062738-7/16D	Double	4.8	188*145*110	7/16/ DIN Female
BR-TRIP062738-NS	Single	2.4	188*145*45	N/ Female
BR-TRIP062738-ND	Double	4.8	188*145*110	N/ Female

### Schematic diagram



## 617-862MHz / 880-960MHz / 1710-2170MHz Triple-band Combiner (Triplexer)

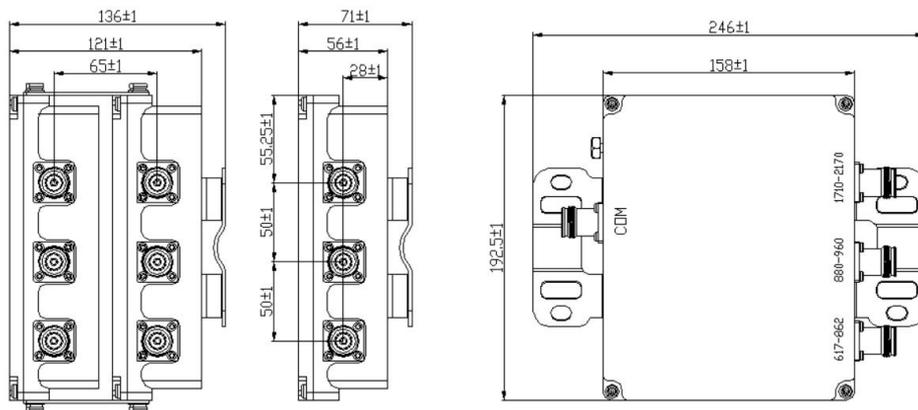
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



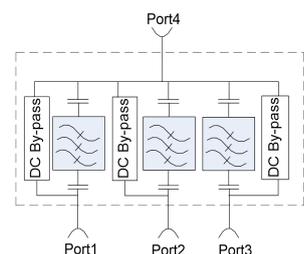
Frequency band	Port 1	Port 2	Port 3
		617-862 MHz	880-960 MHz
Insertion loss	<0.5dB		
Return loss	≥19dB		
Isolation	≥50dB		
Intermodulation	≤-160dBc@2*43dBm		
Impedance	50 Ω		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350us pulse		
Input power	200 W(avg.)		
Operation temperature range	-20°C to +65°C		
Storage temperature range	-35 °C to +75 °C		
Relative humidity	5%-95%		
Ingress protection	Indoor or outdoor (IP66)		

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-TRIP060921-43S	Single			4.3-10/ Female
BR-TRIP060921-43D	Double			4.3-10/ Female
BR-TRIP060921-7/16S	Single			7/16/ DIN Female
BR-TRIP060921-7/16D	Double			7/16/ DIN Female
BR-TRIP060921-NS	Single			N/ Female
BR-TRIP060921-ND	Double			N/ Female

### Schematic diagram



## Quad-band combiner (Quadplexer)

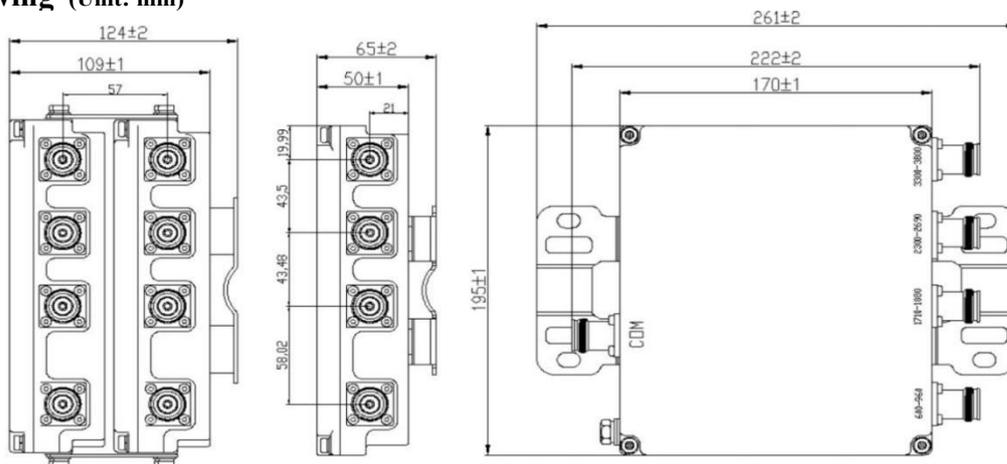
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



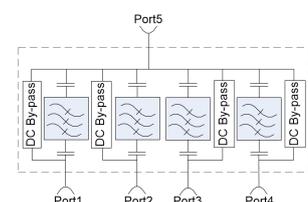
Frequency band	Port 1	Port 2	Port 3	Port 4
		617-960 MHz	1710-2170 MHz	2300-2700 MHz
Insertion loss	<0.3dB			
Return loss	≥19dB			
Isolation	≥50dB			
Intermodulation	≤-160dBc@2*43dBm			
Impedance	50 Ω			
DC/AISG	By-pass(max.3000mA)			
Lightning protection	10KA; 10/350us pulse			
Input power	200 W(avg.)			
Operation temperature range	-20°C to +65°C			
Storage temperature range	-35 °C to +75 °C			
Relative humidity	5%-95%			
Ingress protection	Indoor or outdoor (IP66)			

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-QUAD0638-43S	Single	3.6	195*170*50	4.3-10/ Female
BR-QUAD0638-43D	Double	7.2	195*170*109	4.3-10/ Female
BR-QUAD0638-7/16S	Single	3.6	195*170*50	7/16/ DIN Female
BR-QUAD0638-7/16D	Double	7.2	195*170*109	7/16/ DIN Female
BR-QUAD0638-NS	Single	3.6	195*170*50	N/ Female
BR-QUAD0638-ND	Double	7.2	195*170*109	N/ Female

### Schematic diagram



## Quad-band combiner (Quadplexer)

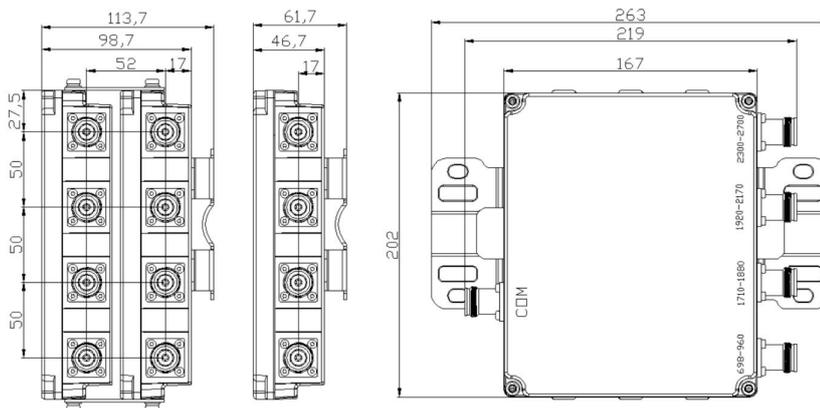
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



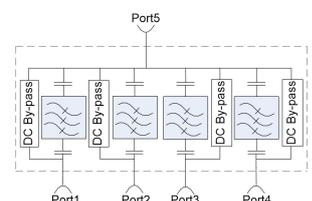
Frequency band	Port 1	Port 2	Port 3	Port 4
		698-960 MHz	1710-1880 MHz	1920-2170 MHz
Insertion loss	<0.4dB			
Return loss	≥19dB			
Isolation	≥50dB			
Intermodulation	≤-160dBc@2*43dBm			
Impedance	50 Ω			
DC/AISG	By-pass(max.3000mA)			
Lightning protection	10KA; 10/350us pulse			
Input power	200 W(avg.)			
Operation temperature range	-20°C to +65°C			
Storage temperature range	-35 °C to +75 °C			
Relative humidity	5%-95%			
Ingress protection	Indoor or outdoor (IP66)			

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-QUAD0627-43S	Single	3.6	202*167*47	4.3-10/ Female
BR-QUAD0627-43D	Double	7.2	202*167*99	4.3-10/ Female
BR-QUAD0627-7/16S	Single	3.6	202*167*47	7/16/ DIN Female
BR-QUAD0627-7/16D	Double	7.2	202*167*99	7/16/ DIN Female
BR-QUAD0627-NS	Single	3.6	202*167*47	N/ Female
BR-QUAD0627-ND	Double	7.2	202*167*99	N/ Female

### Schematic diagram



## Quad-band combiner (Quadplexer)

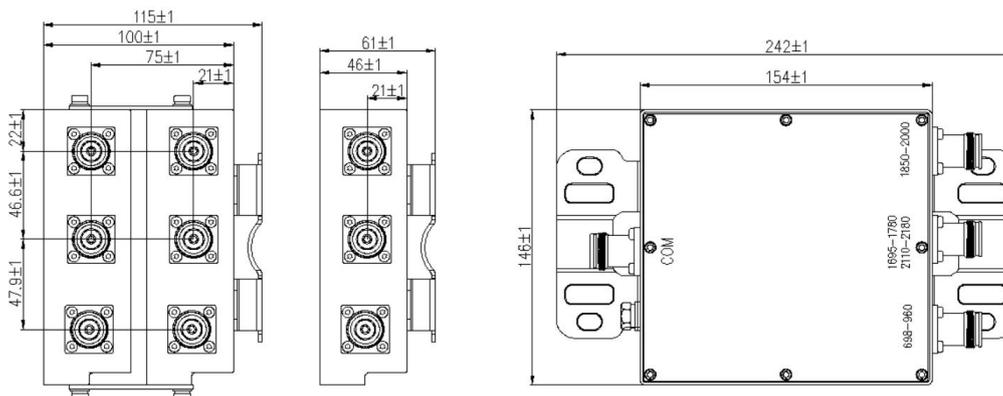
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



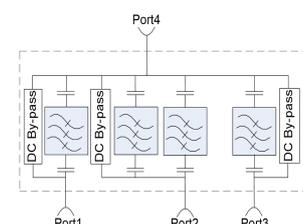
Frequency band	Port 1	Port 2		Port 3
	698-960 MHz	1695-1780 MHz	2110-2180 MHz	1850-2000 MHz
Insertion loss	<0.4dB			
Return loss	≥19dB			
Isolation	≥50dB			
Intermodulation	≤-160dBc@2*43dBm			
Impedance	50 Ω			
DC/AISG	By-pass(max.3000mA)			
Lightning protection	10KA; 10/350us pulse			
Input power	200 W(avg.)			
Operation temperature range	-20°C to +65°C			
Storage temperature range	-35 °C to +75 °C			
Relative humidity	5%-95%			
Ingress protection	Indoor or outdoor (IP66)			

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-QUAD0620-43S	Single	1.9	154*146*46	4.3-10/ Female
BR-QUAD0620-43D	Double	3.8	154*146*100	4.3-10/ Female
BR-QUAD0620-7/16S	Single	1.9	154*146*46	7/16/ DIN Female
BR-QUAD0620-7/16D	Double	3.8	154*146*100	7/16/ DIN Female
BR-QUAD0620-NS	Single	1.9	154*146*46	N/ Female
BR-QUAD0620-ND	Double	3.8	154*146*100	N/ Female

### Schematic diagram



## Quad-band combiner (Quadplexer)

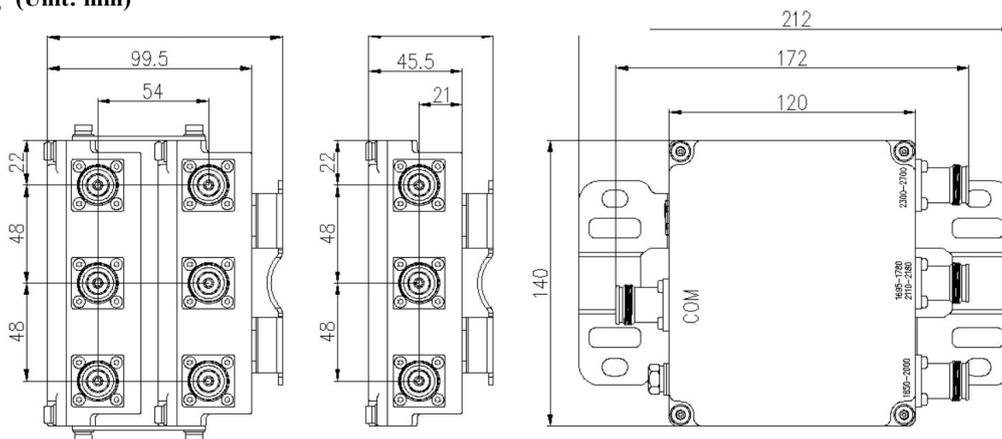
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



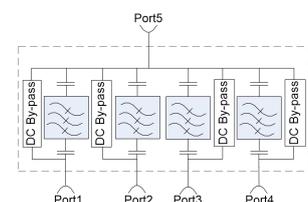
Frequency band	Port 1	Port 2		Port 3
	1850-2000 MHz	1695-1780 MHz	2110-2180 MHz	2300-2700 MHz
Insertion loss	<0.4dB			
Return loss	≥19dB			
Isolation	≥50dB			
Intermodulation	≤-160dBc@2*43dBm			
Impedance	50 Ω			
DC/AISG	By-pass(max.3000mA)			
Lightning protection	10KA; 10/350us pulse			
Input power	200 W(avg.)			
Operation temperature range	-20°C to +65°C			
Storage temperature range	-35 °C to +75 °C			
Relative humidity	5%-95%			
Ingress protection	Indoor or outdoor (IP66)			

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-QUAD1827-43S	Single	1.3	140*120*45.5	4.3-10/ Female
BR-QUAD1827-43D	Double	2.6	140*120*99.5	4.3-10/ Female
BR-QUAD1827-7/16S	Single	1.3	140*120*45.5	7/16/ DIN Female
BR-QUAD1827-7/16D	Double	2.6	140*120*99.5	7/16/ DIN Female
BR-QUAD1827-NS	Single	1.3	140*120*45.5	N/ Female
BR-QUAD1827-ND	Double	2.6	140*120*99.5	N/ Female

### Schematic diagram



## Five-band combiner (Pentaplexer)

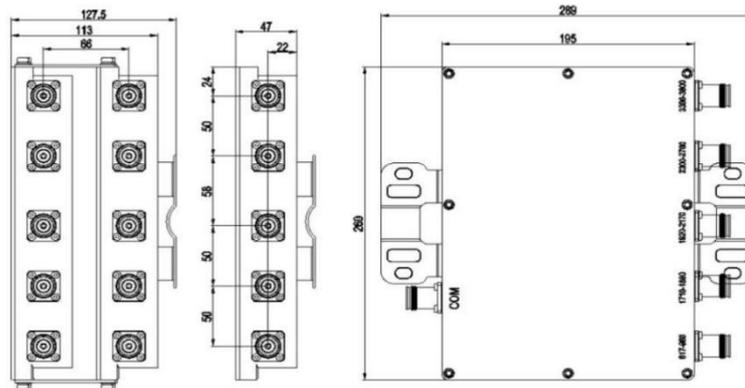


### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies

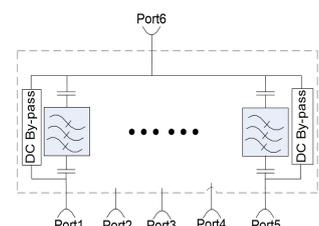
Frequency band	Port 1	Port 2	Port 3	Port 4	Port 5
		698-960MHz	1710-1880 MHz	1920-2170 MHz	2300-2700MHz
Insertion loss	<0.4dB				
Return loss	≥19dB				
Isolation	≥50dB				
Intermodulation	≤-160dBc@2*43dBm				
Impedance	50 Ω				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	10KA; 10/350us pulse				
Input power	200 W(avg.)				
Operation temperature range	-20°C to +65°C				
Storage temperature range	-35 °C to +75 °C				
Relative humidity	5%-95%				
Ingress protection	Indoor or outdoor (IP66)				

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-PENTA0638-43S	Single	4.2	260*195*47	4.3-10/ Female
BR-PENTA0638-43D	Double	8.4	260*195*113	4.3-10/ Female
BR-PENTA0638-7/16S	Single	4.2	260*195*47	7/16/ DIN Female
BR-PENTA0638-7/16D	Double	8.4	260*195*113	7/16/ DIN Female
BR-PENTA0638-NS	Single	4.2	260*195*47	N/ Female
BR-PENTA0638-ND	Double	8.4	260*195*113	N/ Female

### Schematic diagram



## Five-band combiner (Pentaplexer)

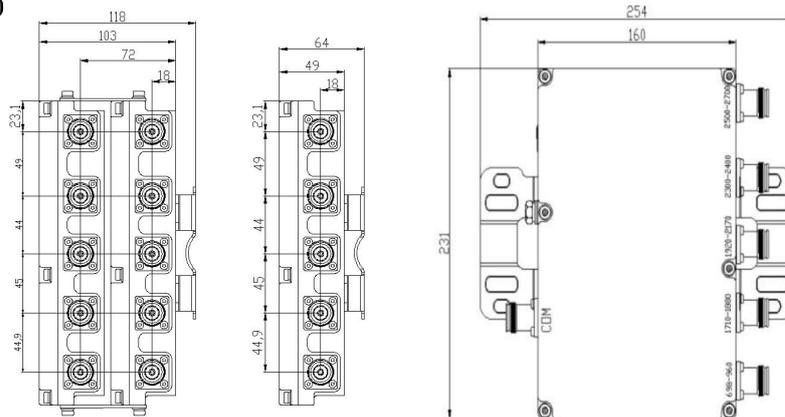
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



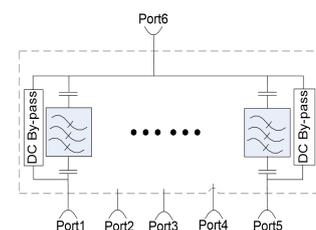
Frequency band	Port 1	Port 2	Port 3	Port 4	Port 5
		698-960MHz	1710-1880 MHz	1920-2170 MHz	2300-2400MHz
Insertion loss	<0.4dB				
Return loss	≥19dB				
Isolation	≥50dB				
Intermodulation	≤-160dBc@2*43dBm				
Impedance	50 Ω				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	10KA; 10/350us pulse				
Input power	200 W(avg.)				
Operation temperature range	-20°C to +65°C				
Storage temperature range	-35 °C to +75 °C				
Relative humidity	5%-95%				
Ingress protection	Indoor or outdoor (IP66)				

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-PENTA0627-43S	Single	4.2	231*160*49	4.3-10/ Female
BR-PENTA0627-43D	Double	8.4	231*160*103	4.3-10/ Female
BR-PENTA0627-7/16S	Single	4.2	231*160*49	7/16/ DIN Female
BR-PENTA0627-7/16D	Double	8.4	231*160*103	7/16/ DIN Female
BR-PENTA0627-NS	Single	4.2	231*160*49	N/ Female
BR-PENTA0627-ND	Double	8.4	231*160*103	N/ Female

### Schematic diagram



## Five-band combiner (Pentaplexer)

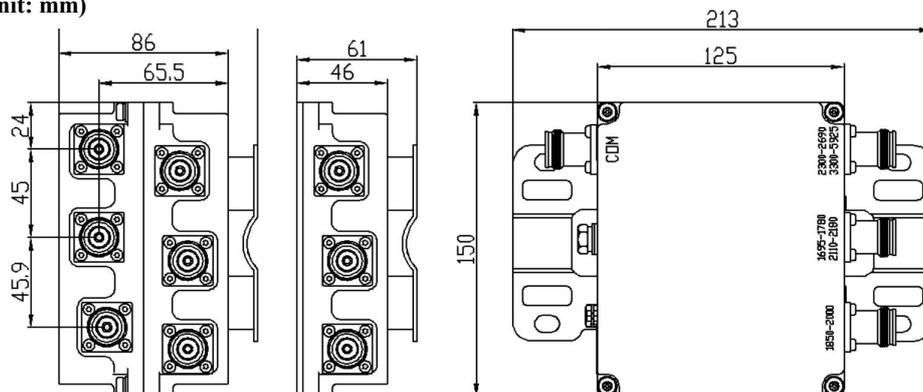
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



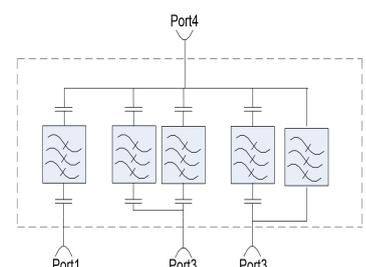
Frequency band	Port 1	Port 2		Port 3	
	1850-2000MHz	1695-1780 MHz	2110-2180MHz	2300-2690MHz	3300-5925MHz
Insertion loss	<0.5dB				
Return loss	≥19dB				
Isolation	≥50dB				
Intermodulation	≤-160dBc@2*43dBm				
Impedance	50 Ω				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	3KA; 10/350μs pulse				
Input power	200 W(avg.)				
Operation temperature range	-20°C to +65°C				
Storage temperature range	-35 °C to +75 °C				
Relative humidity	5%-95%				
Ingress protection	Indoor or outdoor (IP66)				

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-PENTA1859-43S	Single	1.5	150*125*46	4.3-10/ Female
BR-PENTA1859-43D	Double	3.0	150*125*86	4.3-10/ Female
BR-PENTA1859-7/16S	Single	1.5	150*125*46	7/16/ DIN Female
BR-PENTA1859-7/16D	Double	3.0	150*125*86	7/16/ DIN Female
BR-PENTA1859-NS	Single	1.5	150*125*46	N/ Female
BR-PENTA1859-ND	Double	3.0	150*125*86	N/ Female

### Schematic diagram



## Five-band combiner (Pentaplexer)

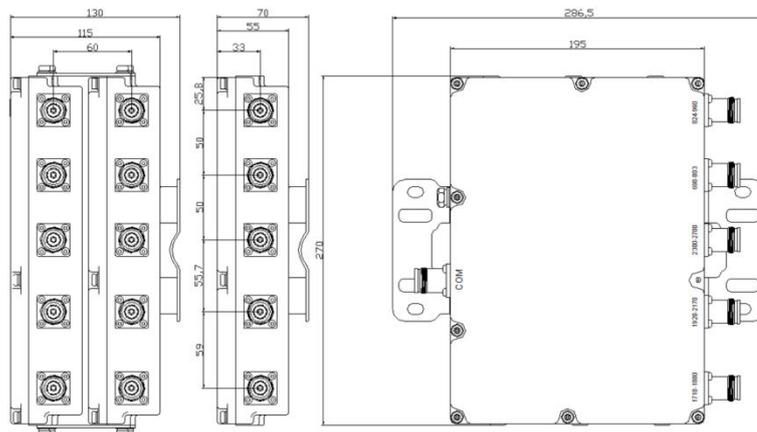
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



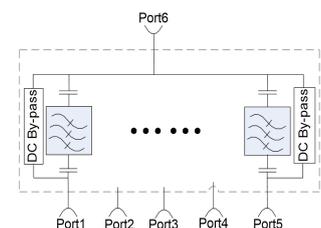
Frequency band	Port 1	Port 2	Port 3	Port 4	Port 5
		1710-1880MHz	1920-2170 MHz	2300-2700 MHz	698-803MHz
Insertion loss	<0.5dB				
Return loss	≥19dB				
Isolation	≥50dB				
Intermodulation	-155 dBc @ 2 x 43 dBm				
Impedance	50 Ω				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	10KA; 10/350us pulse				
Input power	200 W(avg.)				
Operation temperature range	-20°C to +65°C				
Storage temperature range	-35 °C to +75 °C				
Relative humidity	5%-95%				
Ingress protection	Indoor or outdoor (IP66)				

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-PENTA1709-43S	Single	3.7	270*195*55	4.3-10/ Female
BR-PENTA1709-43D	Double	7.4	270*195*115	4.3-10/ Female
BR-PENTA1709-7/16S	Single	3.7	270*195*55	7/16/ DIN Female
BR-PENTA1709-7/16D	Double	7.4	270*195*115	7/16/ DIN Female
BR-PENTA1709-NS	Single	3.7	270*195*55	N/ Female
BR-PENTA1709-ND	Double	7.4	270*195*115	N/ Female

### Schematic diagram



## Five-band combiner (Pentaplexer)

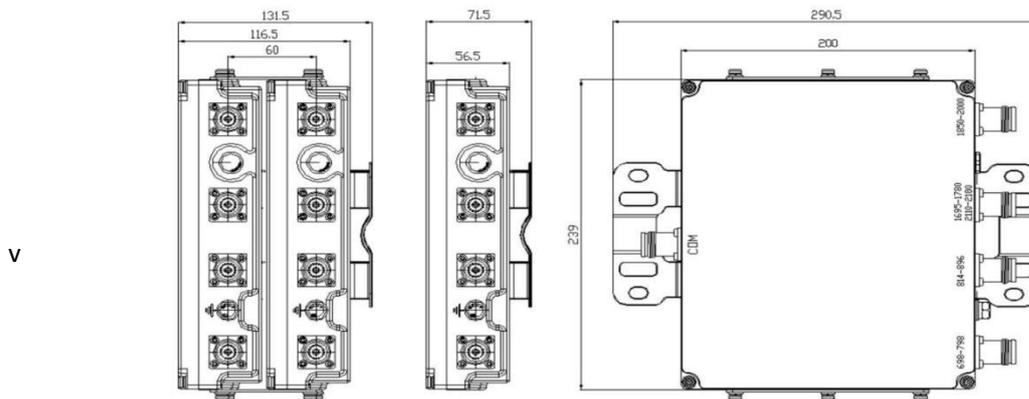
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



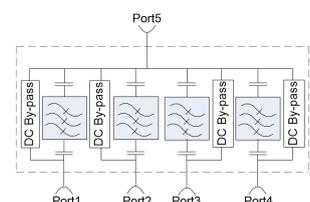
Frequency band	Port 1	Port 2	Port 3		Port 4
	698-798 MHz	814-896 MHz	1695-1780 MHz	2110-2180 MHz	1850-2000 MHz
Insertion loss	<0.5dB				
Return loss	≥19dB				
Isolation	≥50dB				
Intermodulation	-155 dBc @ 2 x 43 dBm				
Impedance	50 Ω				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	10KA; 10/350us pulse				
Input power	200 W(avg.)				
Operation temperature range	-20°C to +65°C				
Storage temperature range	-35 °C to +75 °C				
Relative humidity	5%-95%				
Ingress protection	Indoor or outdoor (IP66)				

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-PENTA0620-43S	Single	3.5	239*200*56.5	4.3-10/ Female
BR-PENTA0620-43D	Double	7	239*200*116.5	4.3-10/ Female
BR-PENTA0620-7/16S	Single	3.5	239*200*56.5	7/16/ DIN Female
BR-PENTA0620-7/16D	Double	7	239*200*116.5	7/16/ DIN Female
BR-PENTA0620-NS	Single	3.5	239*200*56.5	N/ Female
BR-PENTA0620-ND	Double	7	239*200*116.5	N/ Female

### Schematic diagram





## Six-band combiner (Hexaplexer)

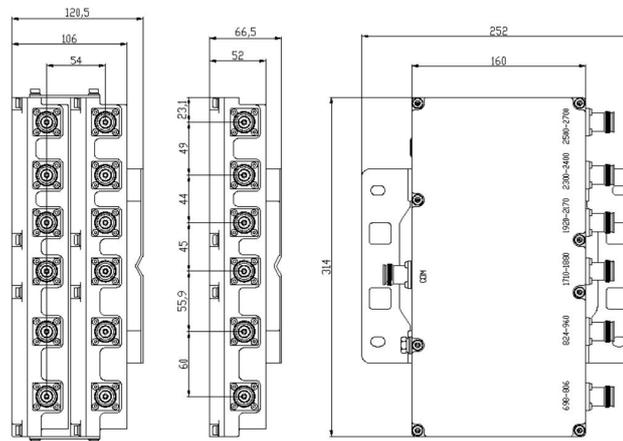
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies

Frequency band	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
		698-803 MHz	824-960 MHz	1710-1880 MHz	1920-2170 MHz	2300-2400 MHz
Insertion loss	<0.5dB					
Return loss	≥19dB					
Isolation	≥50dB					
Intermodulation	-155 dBc @ 2 x 43 dBm					
Impedance	50 Ω					
DC/AISG	By-pass(max.3000mA)					
Lightning protection	10KA; 10/350us pulse					
Input power	200 W(avg.)					
Operation temperature range	-20°C to +65°C					
Storage temperature range	-35 °C to +75 °C					
Relative humidity	5%-95%					
Ingress protection	Indoor or outdoor (IP66)					

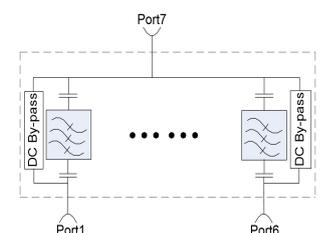
### Outline drawing (Unit: mm)

v



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-HEXA0627-43S	Single	3.8	314*160*52	4.3-10/ Female
BR-HEXA0627-43D	Double	7.6	314*160*106	4.3-10/ Female
BR-HEXA0627-7/16S	Single	3.8	314*160*52	7/16/ DIN Female
BR-HEXA0627-7/16D	Double	7.6	314*160*106	7/16/ DIN Female
BR-HEXA0627-NS	Single	3.8	314*160*52	N/ Female
BR-HEXA0627-ND	Double	7.6	314*160*106	N/ Female

### Schematic diagram



## Six-band combiner (Hexaplexer)

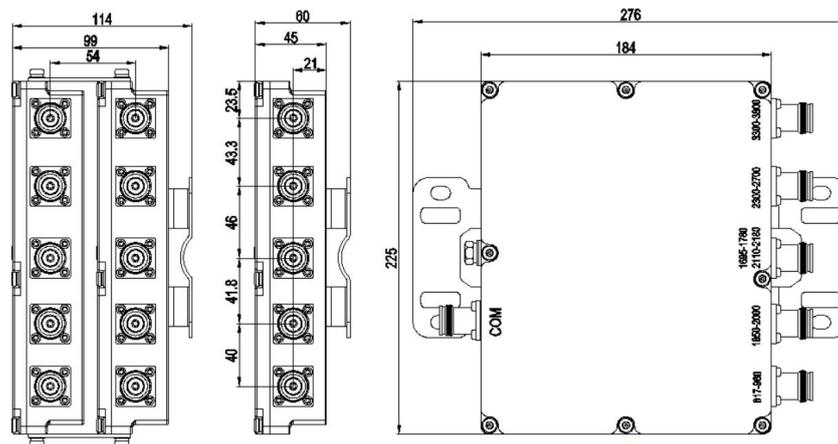
### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Seamless AISG integration for easy remote control
- Future-proof frequency range for next-gen wireless technologies



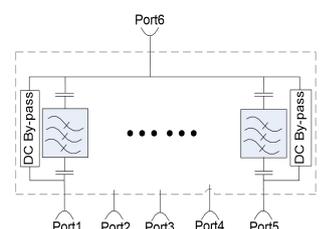
Frequency band	Port 1	Port 2	Port 3		Port 4	Port 5
	617-960 MHz	1850-2000 MHz	1695-1780 MHz	2110-2180 MHz	2300-2700 MHz	3300-3800 MHz
Insertion loss	<0.5dB					
Return loss	≥19dB					
Isolation	≥50dB					
Intermodulation	-160 dBc @ 2 x 43 dBm					
Impedance	50 Ω					
DC/AISG	By-pass(max.3000mA)					
Lightning protection	10KA; 10/350us pulse					
Input power	200 W(avg.)					
Operation temperature range	-20°C to +65°C					
Storage temperature range	-35 °C to +75 °C					
Relative humidity	5%-95%					
Ingress protection	Indoor or outdoor (IP66)					

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-HEXA0638B-43S	Single	3.3	225*184*45	4.3-10/ Female
BR-HEXA0638B-43D	Double	6.6	225*184*99	4.3-10/ Female
BR-HEXA0638B-7/16S	Single	3.3	225*184*45	7/16/ DIN Female
BR-HEXA0638B-7/16D	Double	6.6	225*184*99	7/16/ DIN Female
BR-HEXA0638B-NS	Single	3.3	225*184*45	N/ Female
BR-HEXA0638B-ND	Double	6.6	225*184*99	N/ Female

### Schematic diagram



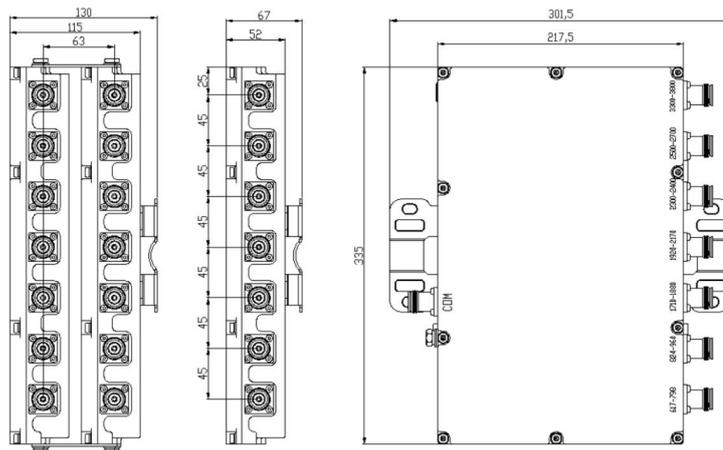
## Seven-band combiner (Heptaplexer)

### Key Features:

- Optimized for 4G/5G macro and small cell deployments
- Compact, durable IP66 design for demanding installations
- High isolation, low loss, and excellent intermodulation stability
- Future-proof frequency range for next-gen wireless technologies •

Frequency band	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7
		617-798 MHz	815-896 MHz	1710-1880 MHz	1920-2170MHz	2300-2400 MHz	2500-2700 MHz
Insertion loss	<0.5dB						
Return loss	≥19dB						
Isolation	≥50dB						
Intermodulation	-155 dBc @ 2 x 43 dBm						
Impedance	50 Ω						
DC/AISG	/						
Lightning protection	10KA; 10/350us pulse						
Input power	200 W(avg.)						
Operation temperature range	-20°C to +65°C						
Storage temperature range	-35 °C to +75 °C						
Relative humidity	5%-95%						
Ingress protection	Indoor or outdoor (IP66)						

### Outline drawing (Unit: mm)



Model No.	Type	Weight(kg)	Dimensions(mm)	Connectors
BR-HEPTA0638-43S	Single	4.6	335*217.5*52	4.3-10/ Female
BR-HEPTA0638-43D	Double	5.2	335*217.5*115	4.3-10/ Female
BR-HEPTA0638-7/16S	Single	4.6	335*217.5*52	7/16/ DIN Female
BR-HEPTA0638-7/16D	Double	5.2	335*217.5*115	7/16/ DIN Female
BR-HEPTA0638-NS	Single	4.6	335*217.5*52	N/ Female
BR-HEPTA0638-ND	Double	5.2	335*217.5*115	N/ Female

### Schematic diagram

