



RF Components CATALOGUE



Product Specification

Name: 2 / 3 / 4 Way Round Splitter 698-2700MHz, N, -150dBc/-155dBc



Technical Data

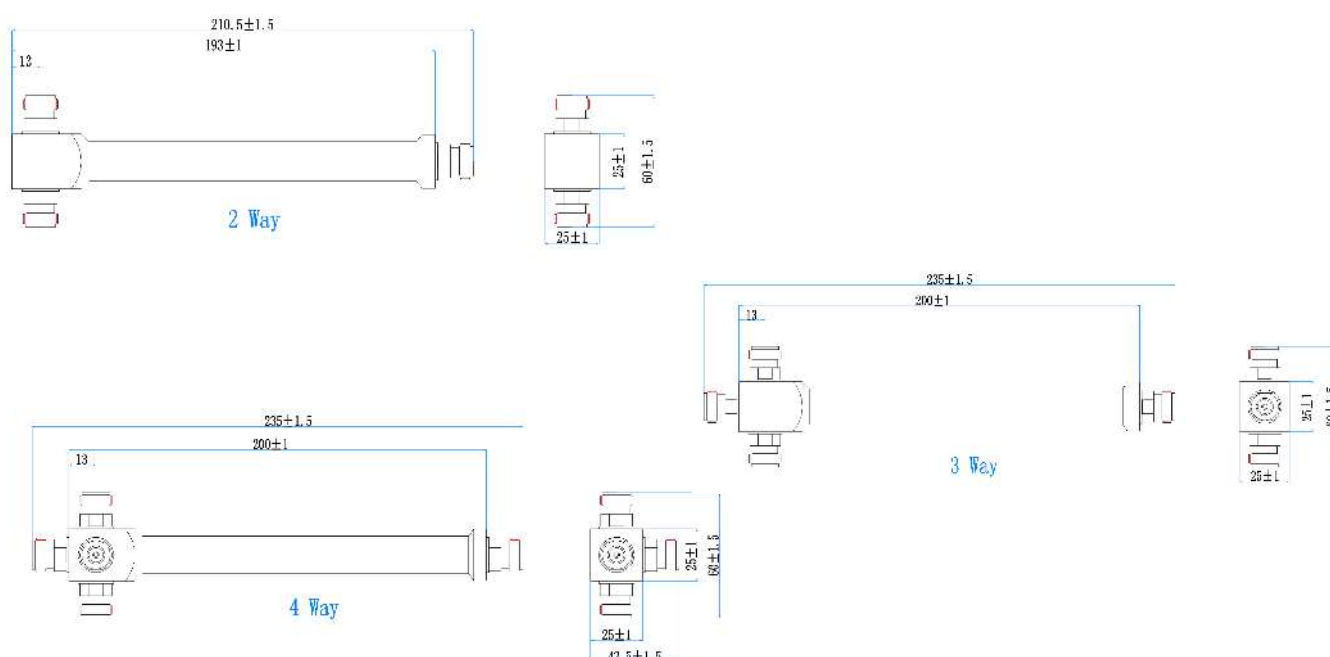
Electrical Specifications

PN	SH-02D-FN.VXX-LR	SH-03D-FN.VXX-LR	SH-04D-FN.VXX-LR
Frequency	698-2700	698-2700	698-2700
Insertion loss	$\leq 3.3\text{dB}$	$\leq 5.2\text{dB}$	$\leq 6.5\text{dB}$
VSWR	≤ 1.25	≤ 1.25	≤ 1.3
Power handling	300 W	300 W	300 W
Intermodulation (3rd order)	$\leq -150\text{ dBc @ (3rd order with } 2 \times 20\text{W) or } \leq -155\text{ dBc}$		
Impedance	50 Ω		

Environment & Mechanical

Temperature range	-25 °C to +65 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	N-Female		
Dimensions(mm)	210.5*60*25mm	235*60*25mm	235*60*42.5mm
weight	0.18Kg	0.2Kg	0.23 Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

Name: 2 / 3 / 4 Way Square Splitter 698-2700MHz, N, -150dBc/-155dBc



Technical Data

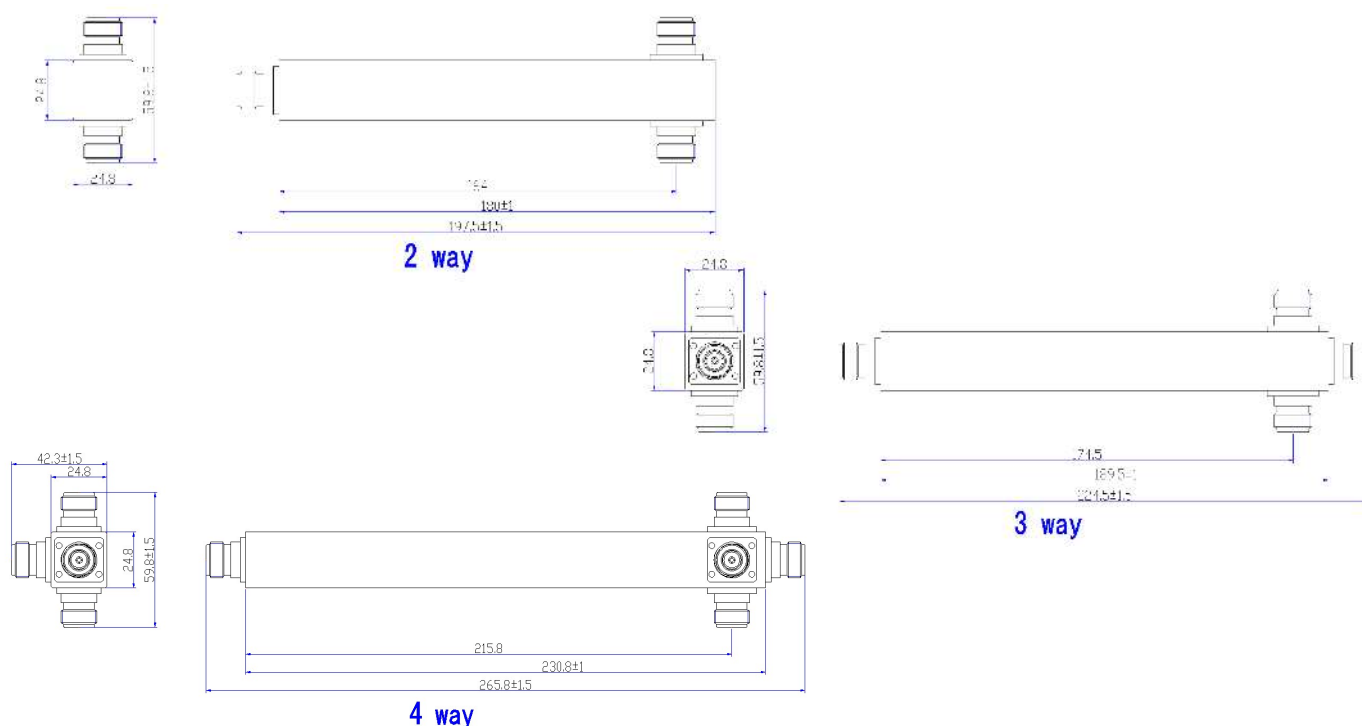
Electrical Specifications

PN	SH-02D-FN.VXX-LSB	SH-03D-FN.VXX-LSB	SH-04D-FN.VXX-LSB
Frequency	698-2700	698-2700	698-2700
Insertion loss	$\leq 3.3\text{dB}$	$\leq 5.2\text{dB}$	$\leq 6.5\text{dB}$
VSWR	≤ 1.25	≤ 1.25	≤ 1.3
Power handling	300 W	300 W	300 W
Intermodulation (3rd order)	$\leq -150\text{ dBc @ (3rd order with } 2 \times 20\text{W) or } \leq -155\text{ dBc}$		
Impedance	50 Ω		

Environment & Mechanical

Temperature range	-25 °C to +65 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	N-Female		
Dimensions(mm)	197.5*59.8*24.8mm	224.5*59.8*24.8mm	265.8*59.8*42.3mm
weight	0.32Kg	0.36Kg	0.45 Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

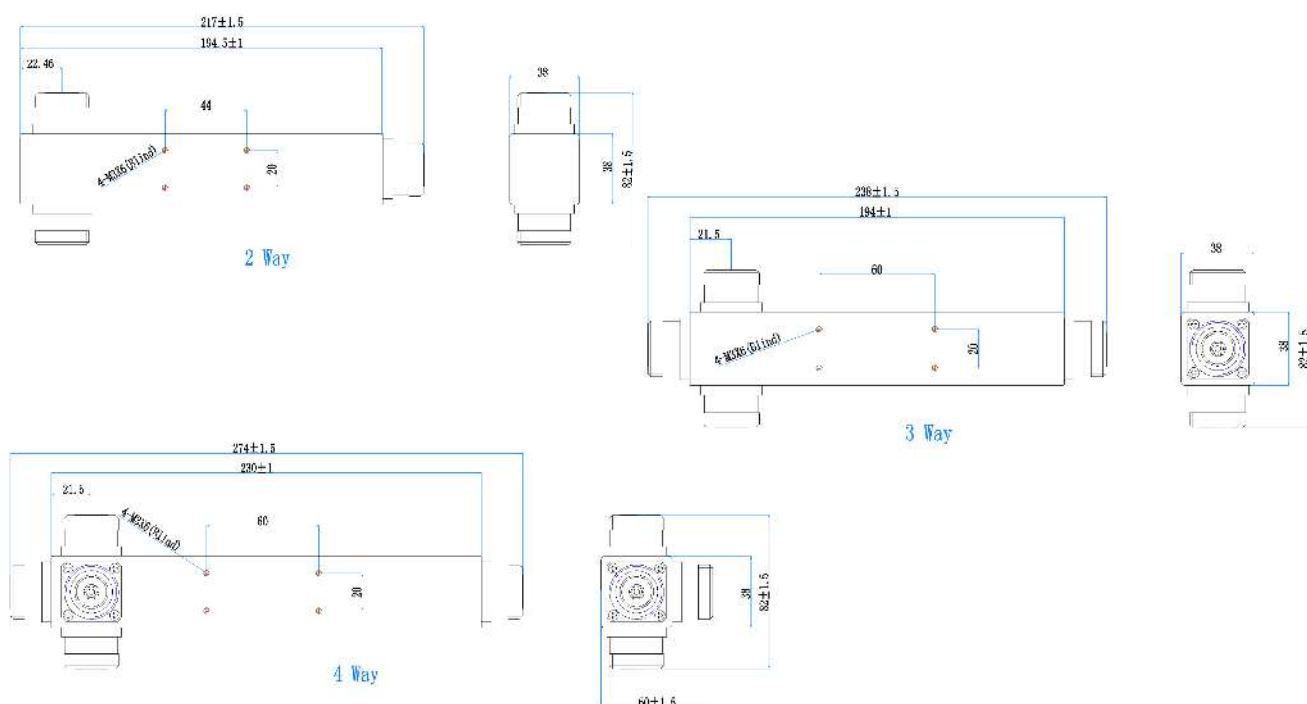
Name: 2 / 3 / 4 Way Square Splitter 698-2700MHz, DIN,-150dBc/-155dBc



Technical Data

Electrical Specifications			
PN	SH-02D-FD.VXX-LSB	SH-03D-FD.VXX-LSB	SH-04D-FD.VXX-LSB
Frequency	698-2700	698-2700	698-2700
Insertion loss	≤3.3dB	≤5.2dB	≤6.5dB
VSWR	≤1.25	≤1.25	≤1.3
Power handling	500 W	500 W	500 W
Intermodulation (3rd order)	≤ -150 dBc @(3rd order with 2×20W) or ≤ -155 dBc		
Impedance	50 Ω		
Environment & Mechanical			
Temperature range	-25 °C to +65 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	DIN-Female		
Dimensions(mm)	217*82*38mm	238*82*38mm	274*82*60mm
weight	1.15Kg	1.25Kg	1.5 Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

**Name: 2 / 3 / 4 Way White Square Splitter 698-2700MHz, N,
-150dBc/-155dBc**



Technical Data

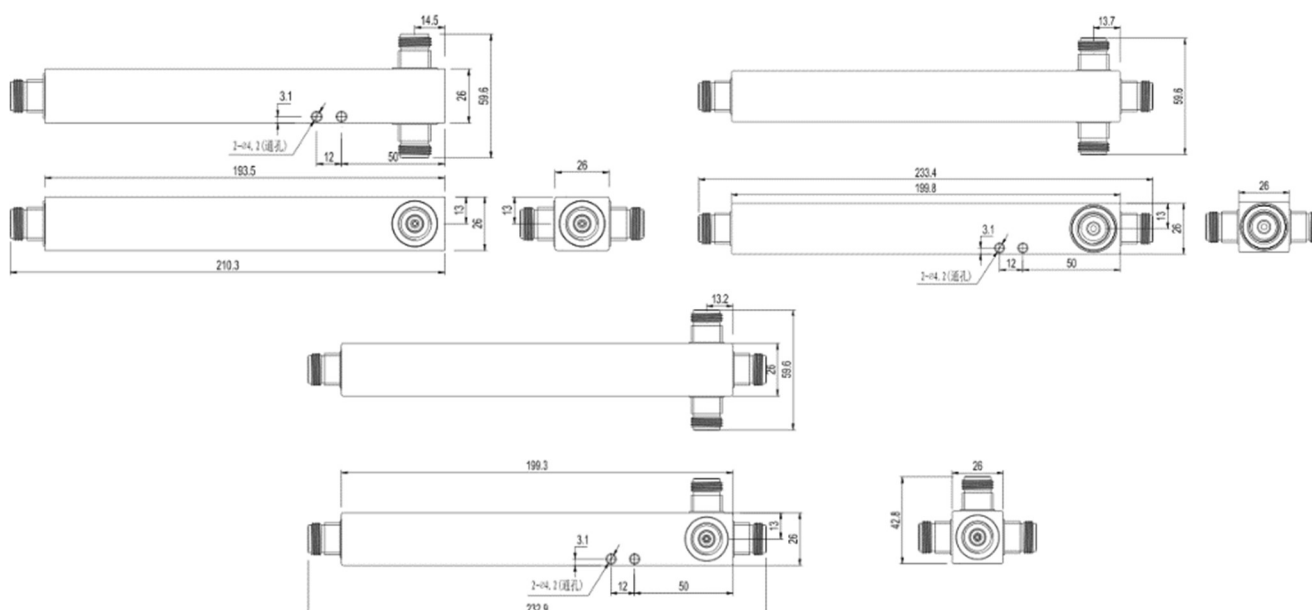
Electrical Specifications

PN	SH-02D-FN.VXX-SW	SH-03D-FN.VXX-SW	SH-04D-FN.VXX-SW
Frequency	698-2700	698-2700	698-2700
Insertion loss	≤3.3dB	≤5.2dB	≤6.4dB
VSWR	≤1.25	≤1.25	≤1.25
Power handling	300 W	300 W	300 W
Intermodulation (3rd order)	≤ -150 dBc @(3rd order with 2×20W) or ≤ -155 dBc		
Impedance	50 Ω		

Environment & Mechanical

Temperature range	-25 °C to +65 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	N-Female		
Dimensions(mm)	194x26x26mm	233x26x26mm	233x26x26mm
weight	0.35Kg	0.45Kg	0.56 Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

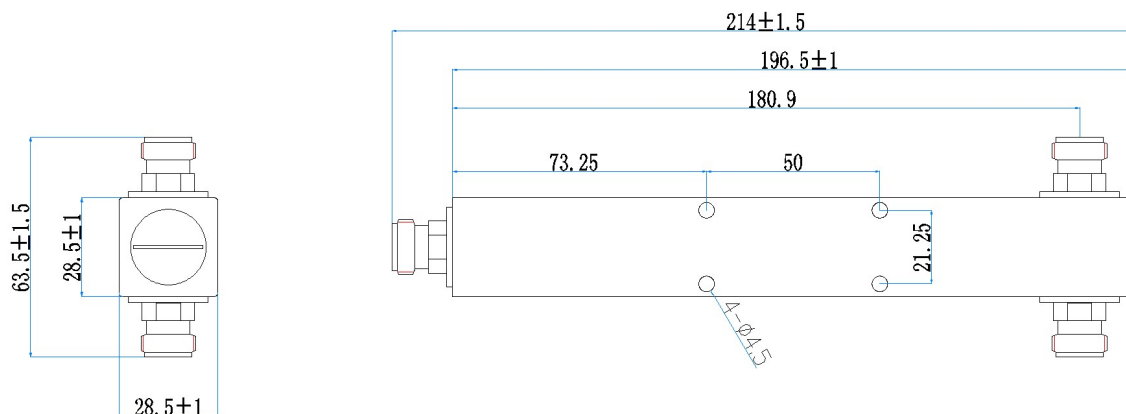
Name: 2 Way White Square Splitter 698-2700MHz, N, -160dBc



Technical Data

Electrical Specifications	
PN	SH-02D-FN.V03-LSW
Frequency	698-2700
Insertion loss	$\leq 3.4\text{dB}$
VSWR	≤ 1.2
Power handling	300 W
Intermodulation (3rd order)	$\leq -160\text{ dBc @ (3rd order with } 2 \times 20\text{W)}$
Impedance	50 Ω
Environment & Mechanical	
Temperature range	-25 °C to +65 °C
Humidity	5%- 95%
Applications	IP65
Connector	N-Female
Dimensions(mm)	214x63.5x28.5mm
weight	0.45Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: 2 / 3 / 4 Way White Round Splitter 698-2700MHz,

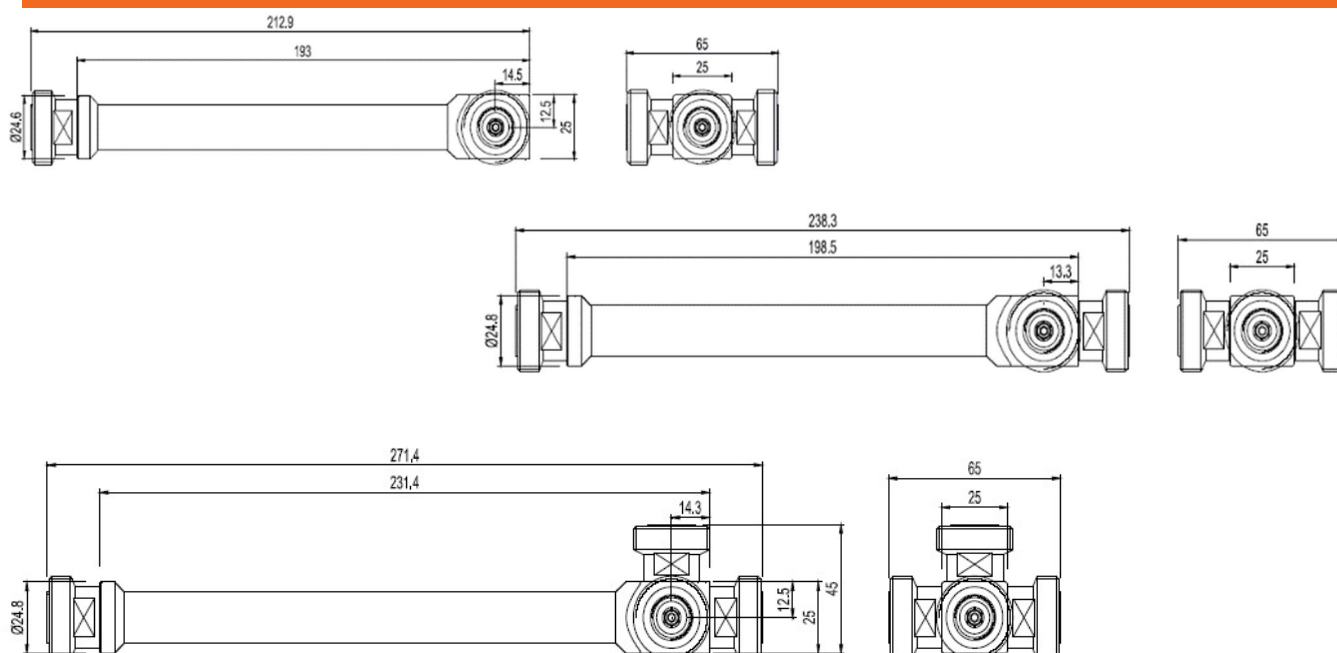
DIN -150dBc/-155dBc



Technical Data

Electrical Specifications			
PN	SH-02D-FD.VXX-RW	SH-03D-FD.VXX-RW	SH-04D-FD.VXX-RW
Frequency	698-2700	698-2700	698-2700
Insertion loss	≤3.3dB	≤5.2dB	≤6.4dB
VSWR	≤1.25	≤1.25	≤1.3
Power handling	300 W	300 W	300 W
Intermodulation (3rd order)	≤ -150 dBc @(3rd order with 2×20W) or ≤ -155 dBc		
Impedance	50 Ω		
Environment & Mechanical			
Temperature range	-25 °C to +65 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	DIN-Female		
Dimensions(mm)	193x25x25mm	198x25x25mm	231x25x25mm
weight	0.3Kg	0.4Kg	0.5Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

Name: 2 / 3 / 4 Way Black Round Splitter 698-2700MHz,

DIN, -150dBc/-155dBc



Technical Data

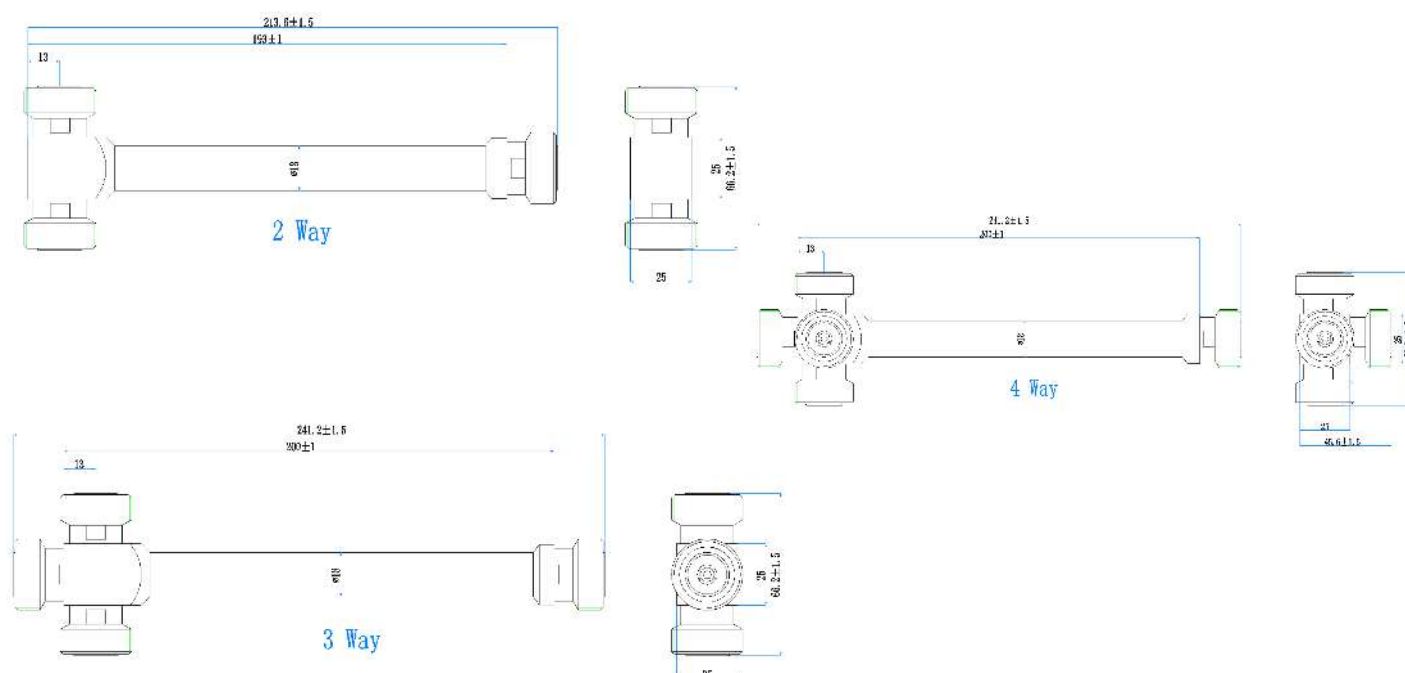
Electrical Specifications

PN	SH-02D-FD.VXX-LRB	SH-03D-FD.VXX-LRB	SH-04D-FD.VXX-LRB
Frequency	698-2700	698-2700	698-2700
Insertion loss	$\leq 3.3\text{dB}$	$\leq 5.2\text{dB}$	$\leq 6.5\text{dB}$
VSWR	≤ 1.25	≤ 1.25	≤ 1.3
Power handling	500 W	500 W	500 W
Intermodulation (3rd order)	$\leq -150\text{ dBc @ (3rd order with } 2 \times 20\text{W) or } \leq -155\text{ dBc}$		
Impedance	50 Ω		

Environment & Mechanical

Temperature range	-30 °C to +75 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	DIN-Female		
Dimensions(mm)	213.6x66.2x25mm	241.2x66.2x25mm	241.2x66.2x45.6mm
weight	0.33Kg	0.38Kg	0.43Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

Name: 2 / 3 / 4 Way White or Black Square Splitter 698-2700MHz,

DIN, -150dBc/-155dBc



Technical Data

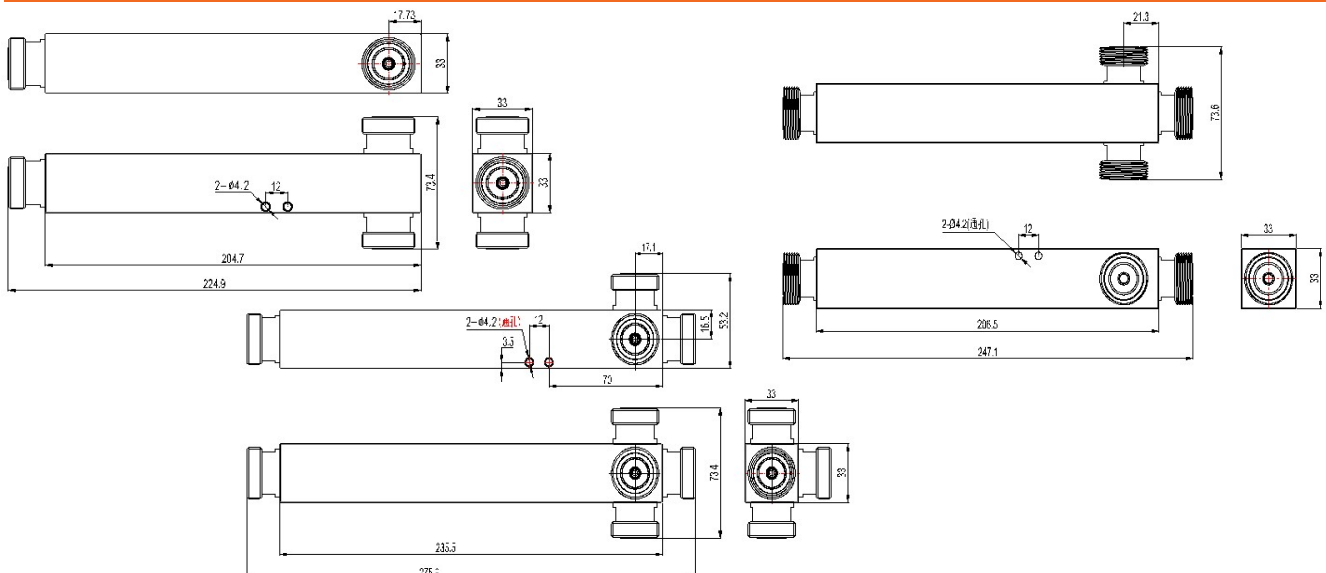
Electrical Specifications

PN	SH-02D-FD.VXX-S(B/W)	SH-03D-FD. VXX-S(B/W)	SH-04D-FD. VXX-S(B/W)
Frequency	698-2700	698-2700	698-2700
Insertion loss	≤3.3dB	≤5.2dB	≤6.4dB
VSWR	≤1.25	≤1.25	≤1.25
Power handling	500 W	500 W	500 W
Intermodulation (3rd order)	≤ -150 dBc @(3rd order with 2×20W) or ≤ -155 dBc		
Impedance	50 Ω		

Environment & Mechanical

Temperature range	-30 °C to +75 °C		
Humidity	5%- 95%		
Applications	IP65		
Connector	DIN-Female		
Dimensions(mm)	205.5x33x33mm	206.5x33x33mm	235.5x33x33mm
weight	1.5Kg	1.8Kg	2.1Kg
Packing	1pcs/box		

Outline Drawing



Product Specification

Name: 2 Way White Square Splitter 698-2700MHz, DIN, -160dBc



Technical Data

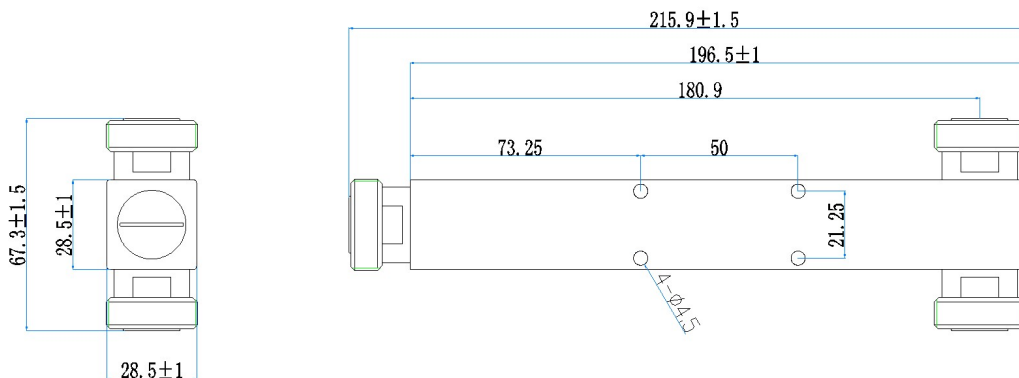
Electrical Specifications

PN	SH-02D-FD.V03-LSW
Frequency	698-2700
Insertion loss	$\leq 3.4\text{dB}$
VSWR	≤ 1.2
Power handling	500 W
Intermodulation (3rd order)	$\leq -160\text{ dBc @ (3rd order with } 2 \times 20\text{W)}$
Impedance	50 Ω

Environment & Mechanical

Temperature range	-25 °C to +65 °C
Humidity	5%- 95%
Applications	IP65
Connector	DIN-Female
Dimensions(mm)	215.9x67.3x28.5mm
weight	1.8Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: 2 / 3 / 4 Way Splitter 380-2700MHz,-150dBc/-155dBc



Technical Data

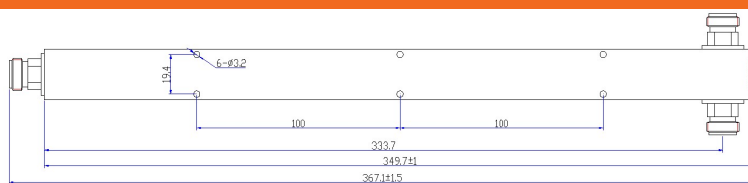
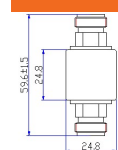
Electrical Specifications

PN	SH-02A02-FN.VXX-LSB	SH-03A02-FN.VXX-LSB	SH-04A02-FN.VXX-LSB
Frequency	380-2700	380-2700	380-2700
Insertion loss	$\leq 3.3\text{dB}$	$\leq 5.3\text{dB}$	$\leq 6.6\text{dB}$
VSWR	≤ 1.25	≤ 1.3	≤ 1.3
Power handling	300 W	300 W	300 W
Intermodulation (3rd order)	$\leq -150\text{ dBc}$ @(3rd order with $2 \times 20\text{W}$) or -155dBc		
Impedance	50 Ω		

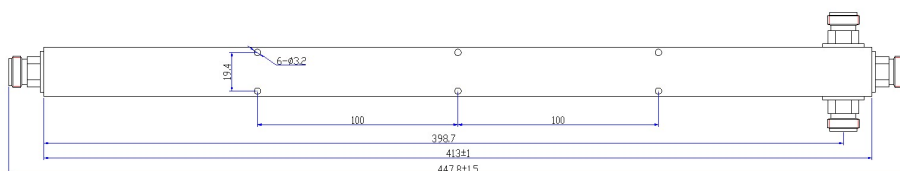
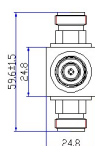
Environment & Mechanical

Temperature range	$-25\text{ }^{\circ}\text{C}$ to $+65\text{ }^{\circ}\text{C}$		
Humidity	5%- 95%		
Applications	IP65		
Connector	N-Female		
Dimensions(mm)	367.1x59.6x24.8mm	447.8x59.6x24.8mm	447.8x59.6x42.2mm
weight	0.58Kg	0.57Kg	0.7Kg
Packing	1pcs/box		

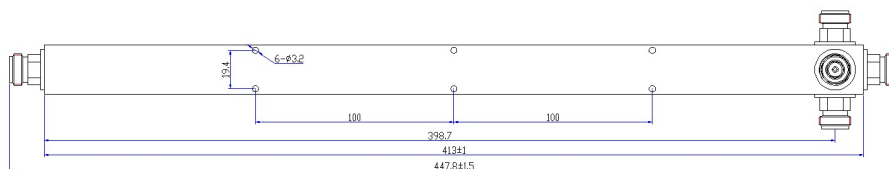
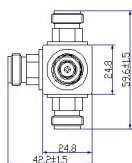
Outline Drawing



N-2Way (380-2700MHz)



N-3Way (380-2700MHz)



N-4Way (380-2700MHz)

Product Specification

Name: 2 Way Microstrip splitter 698-2700MHz,4.3-10, -150dBc



Technical Data

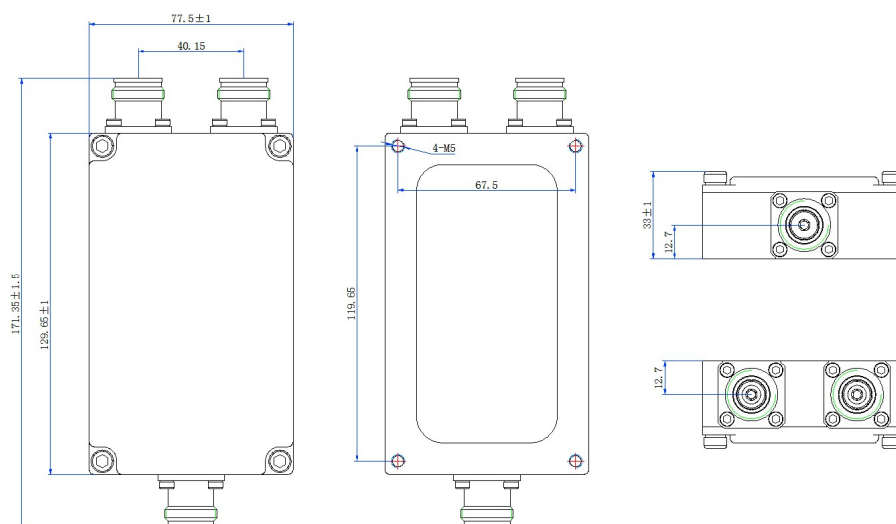
Electrical Specifications

PN	MSH-02D-F4D.V01-LW
Frequency	698-2700
Insertion loss	≤3.4dB
VSWR	≤1.22
Isolation	>20dB
Power handling	50 W
Intermodulation (3rd order)	≤ -150 dBc @(3rd order with 2×20W)
Impedance	50 Ω

Environment & Mechanical

Temperature range	-25 °C to +65 °C
Humidity	5%- 95%
Applications	IP65
Connector	4.3-10
Dimensions(mm)	171.35 x77.5x33mm
weight	1.2Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: 698-2700MHz Coupler, N, Black, -150dBc/-155dBc



Technical Data

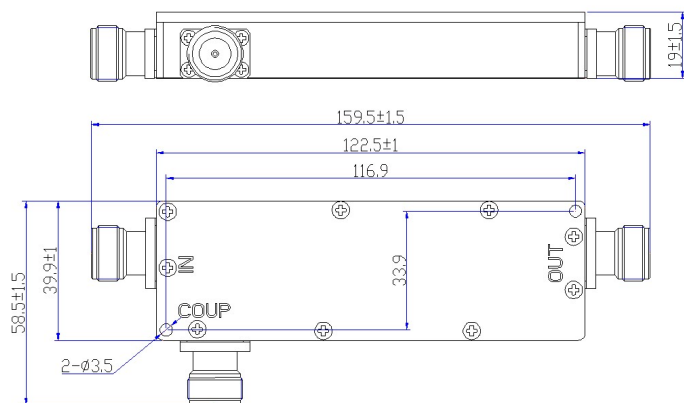
Electrical Specifications

PN	TH- XX D-FN.V XX -LB									
Coupling(dB)	5	6	7	8	10	13	15	20	30	40
Frequency	698-2700MHz									
Attenuation	±1					±1.2			±1.5	
Insertion loss(dB)	≤2.15	≤1.7	≤1.4	≤ 1.2	≤0.8	≤ 0.6	≤ 0.5	≤0.3		
VSWR	≤1.25									
Isolation(dB)	≥25	≥26	≥27	≥28	≥30	≥33	≥35	≥40	≥48	≥56
PIM(3rd order)	≤-150dBc@2×43dBm or ≤ -155 dBc									
Power handling	300 W(avg.)									
Impedance	50 Ω									

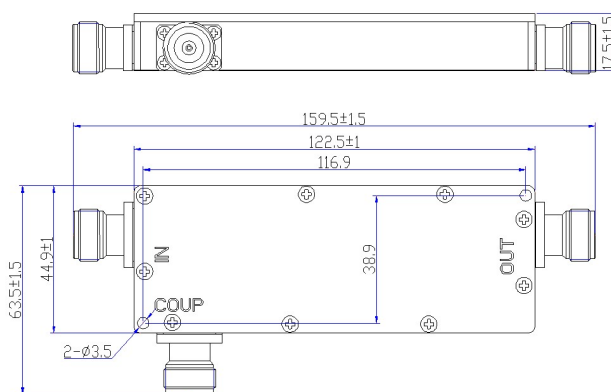
Environment & Mechanical

Temperature range	-25°C to +75°C	
Humidity	5% - 95%	
Applications	IP65	
Connector	N-Female	
Weight	0.25 Kg	0.28 Kg
Dimensions	159.5x58.5x19mm	159.5x63.5x17.5mm
Packing	1pcs/box	

Outline Drawing



N-F 5,6,7,8,10dB



N-F 13,15,20,30,40dB

Product Specification

Name: 698-2700MHz Coupler, DIN, Black, -150dBc/-155dBc



Technical Data

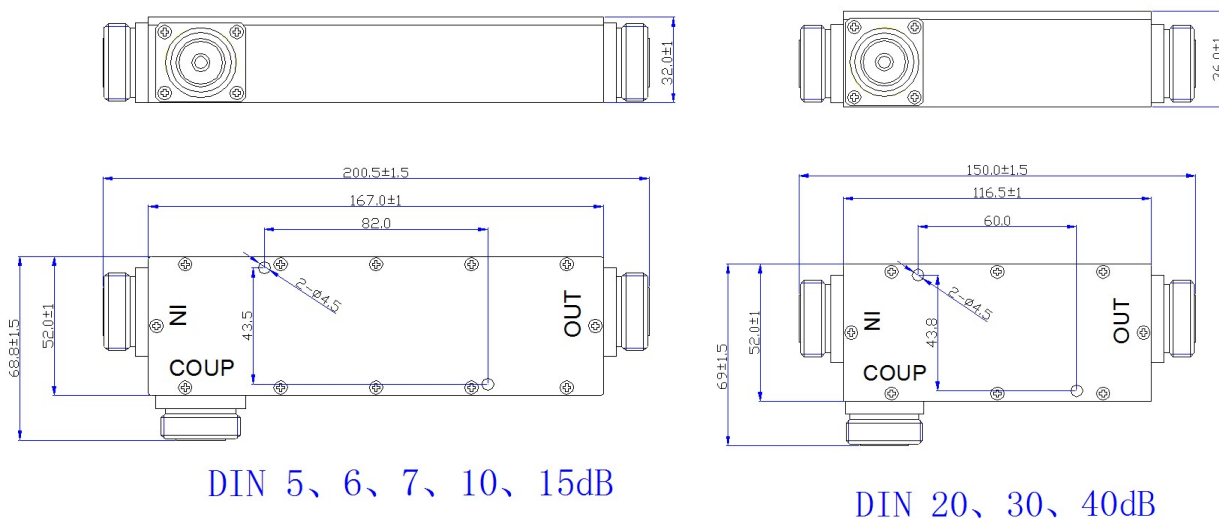
Electrical Specifications

PN	TH- XX D-FD.V XX -LB									
Coupling(dB)	5	6	7	8	10	15	20	30	40	45
Frequency	698-2700MHz									
Attenuation	±1					±1.2		±1.5		
Insertion loss(dB)	≤2.15	≤1.7	≤1.4	≤ 1.2	≤0.8	≤ 0.6	≤ 0.5	≤0.3		
VSWR	≤1.22									
Isolation(dB)	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥50	≥58	≥60
PIM(3rd order)	≤-150dBc@2×43dBm or ≤ -155 dBc									
Power handling	500 W(avg.)									
Impedance	50 Ω									

Environment & Mechanical

Temperature range	-25°C to +75°C	
Humidity	5% - 95%	
Applications	IP65	
Connector	DIN-Female	
Weight	0.68 Kg	0.58 Kg
Dimensions	200.5x68.8x32mm	150x69x36mm
Packing	1pcs/box	

Outline Drawing



Product Specification

Name: 698-2700MHz Coupler, N, White, -150dBc/-155dBc/-160dBc



Technical Data

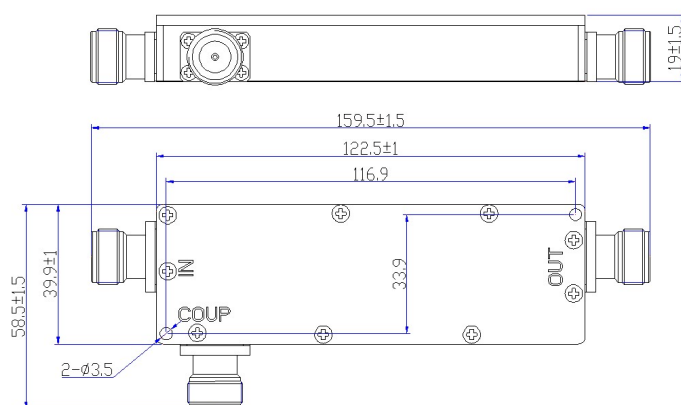
Electrical Specifications

PN	TH- XX D-FN.V XX -LW									
Coupling(dB)	5	6	7	8	10	13	15	20	30	40
Frequency	698-2700MHz									
Attenuation	±1					±1.2			±1.5	
Insertion loss(dB)	≤2.15	≤1.7	≤1.4	≤ 1.2	≤0.8	≤ 0.6	≤ 0.5	≤0.3		
VSWR	≤1.25									
Isolation(dB)	≥25	≥26	≥27	≥28	≥30	≥33	≥35	≥40	≥48	≥56
PIM(3rd order)	≤-150dBc@2×43dBm or ≤ -155 dBc or ≤ -160 dBc									
Power handling	300 W(avg.)									
Impedance	50 Ω									

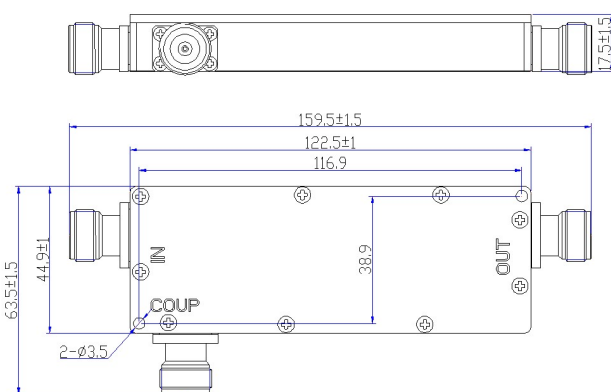
Environment & Mechanical

Temperature range	-25°C to $+75^{\circ}\text{C}$	
Humidity	5% - 95%	
Applications	IP65	
Connector	N-Female	
Weight	0.25 Kg	0.28 Kg
Dimensions	159.5x58.5x19mm	159.5x63.5x17.5mm
Packing	1pcs/box	

Outline Drawing



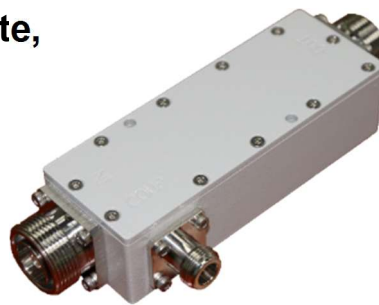
N-F 5,6,7,8,10dB



N-F 13,15,20,30,40dB

Product Specification

Name: 698-2700MHz Coupler, N/DIN, White,
-150dBc/-155dBc/-160dBc



Technical Data

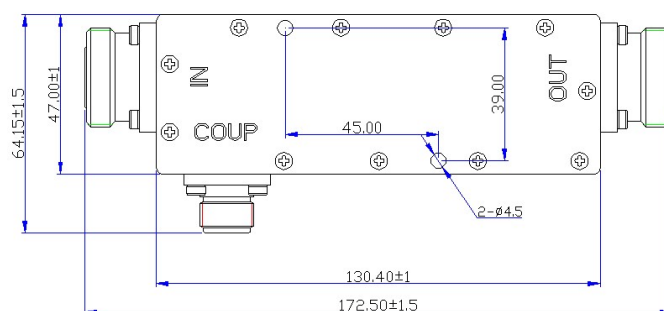
Electrical Specifications

PN	TH-XXD-FND.VXX-LW									
Coupling(dB)	5	6	7	8	10	13	15	20	30	40
Frequency	698-2700MHz									
Attenuation	±1					±1.2			±1.5	
Insertion loss(dB)	≤2.15	≤1.7	≤1.4	≤ 1.2	≤0.8	≤ 0.6	≤ 0.5	≤0.3		
VSWR	≤1.25									
Isolation(dB)	≥25	≥26	≥27	≥28	≥30	≥33	≥35	≥40	≥48	≥56
PIM(3rd order)	≤-150dBc@2×43dBm or ≤ -155 dBc or ≤ -160 dBc									
Power handling	300 W(avg.)									
Impedance	50 Ω									

Environment & Mechanical

Temperature range	-25°C to +75°C									
Humidity	5% - 95%									
Applications	IP65									
Connector	DIN/N-Female									
Weight	0.57 Kg									
Dimensions	172.5x64.15x35mm									
Packing	1pcs/box									

Outline Drawing



5、6、7、8、10dB

Product Specification

**Name: 698-2700MHz Coupler, MINI DIN, White,
-150dBc/-155dBc/-160dBc**



Technical Data

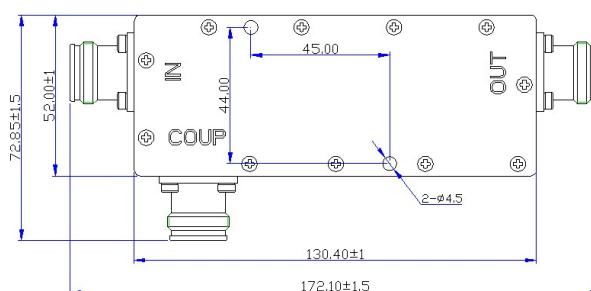
Electrical Specifications

PN	TH- XX D-F4D.V XX -LW									
Coupling(dB)	5	6	7	8	10	13	15	20	30	40
Frequency	698-2700MHz									
Attenuation	±1					±1.2			±1.5	
Insertion loss(dB)	≤2.15	≤1.7	≤1.4	≤ 1.2	≤0.8	≤ 0.6	≤ 0.5	≤0.3		
VSWR	≤1.25									
Isolation(dB)	≥25	≥26	≥27	≥28	≥30	≥33	≥35	≥40	≥48	≥56
PIM(3rd order)	≤-150dBc@2×43dBm or ≤ -155 dBc or ≤ -160 dBc									
Power handling	300 W (avg.)									
Impedance	50 Ω									

Environment & Mechanical

Temperature range	-25°C to +75°C
Humidity	5% - 95%
Applications	IP65
Connector	4.3-10
Weight	0.51 Kg
Dimensions	172.1x72.8x35mm
Packing	1pcs/box

Outline Drawing



13、15、20、30、40dB

Product Specification

Name: 698-2700MHz Coupler, N, White, -150dBc/-155dBc



Technical Data

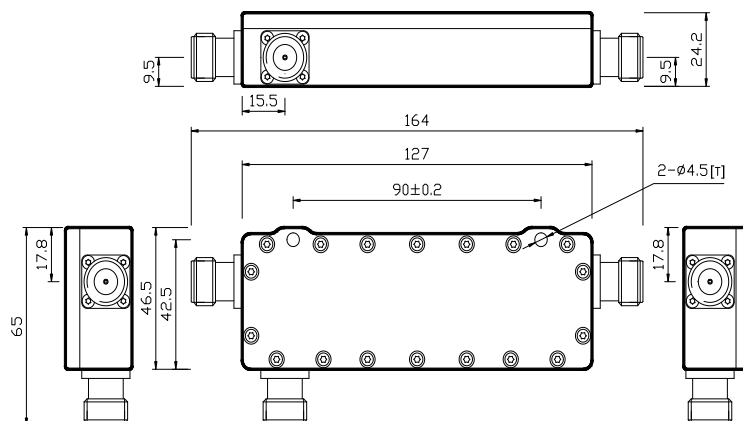
Electrical Specifications

PN	TH-XXD-FN.VXX-W										
Coupling(dB)	5	6	7	10	12	15	20	25	30	35	40
Frequency	698-2700MHz										
Attenuation	±0.8	±0.8	±0.8	±0.8	±1	±1	±1.2	±1.2	±1.2	±1.2	±1.5
Insertion loss(dB)	≤2.1	≤1.65	≤1.3	≤1.1	≤0.75	≤0.6	≤0.4	≤0.3	≤0.2	≤0.2	≤0.2
VSWR	≤1.22										
Isolation(dB)	≥25	≥26	≥27	≥30	≥32	≥35	≥40	≥45	≥50	≥55	≥60
PIM(3rd order)	≤-150dBc@2×43dBm or ≤-155 dBc@ upon 10dB										
Power handling	300 W(avg.)										
Impedance	50 Ω										

Environment & Mechanical

Temperature range	-25°C to +75°C
Humidity	5% - 95%
Applications	IP65
Connector	N-Female
Weight	0.4 Kg
Dimensions	127x44.5x24.2mm(without connectors)
Packing	1pcs/box

Outline Drawing



Product Specification

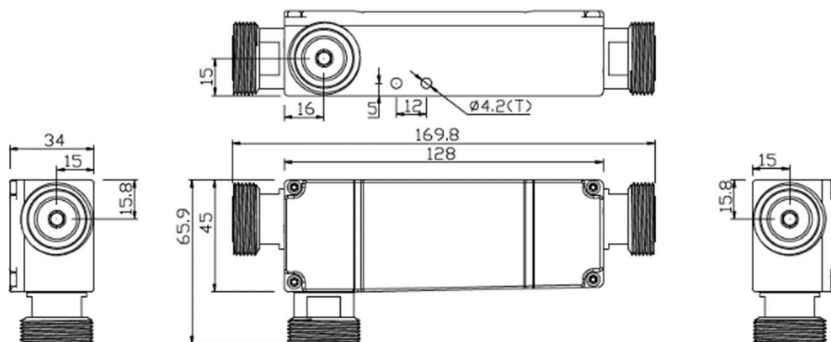
Name: 698-2700MHz Coupler, DIN, White, -150dBc/-155dBc



Technical Data

Electrical Specifications											
PN	TH- XXD -FD.V XX -W										
Coupling(dB)	5	6	7	10	12	15	20	25	30	35	40
Frequency	698-2700MHz										
Attenuation	±0.8	±0.8	±0.8	±0.8	±1	±1	±1.2	±1.2	±1.2	±1.2	±1.5
Insertion loss(dB)	≤2.1	≤1.65	≤1.3	≤ 1.1	≤0.75	≤ 0.6	≤ 0.4	≤0.3	≤0.2	≤0.2	≤ 0.2
VSWR	≤1.22										
Isolation(dB)	≥25	≥26	≥27	≥30	≥32	≥35	≥40	≥45	≥50	≥55	≥60
PIM(3rd order)	≤-150dBc@2×43dBm or ≤ -155 dBc@ upon 10dB										
Power handling	500 W(avg.)										
Impedance	50 Ω										
Environment & Mechanical											
Temperature range	-25°C to +75°C										
Humidity	5% - 95%										
Applications	IP65										
Connector	DIN-Female										
Weight	0.7 Kg										
Dimensions	128x45x34mm (without connectors)										
Packing	1pcs/box										

Outline Drawing



Product Specification

Name: Low PIM Tapper, N, White, -150dBc/-155dBc/-160dBc



Technical Data

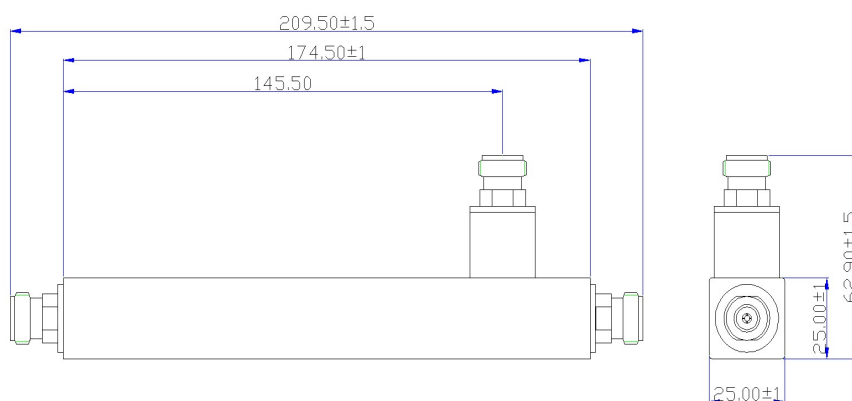
Electrical Specifications

PN	TPH-13D-FN.VXX-LW
Frequency	698-2700MHz
Coupling	13dB
Tap loss(Input-P1)	1.26±0.4
Tap loss(Input-P2)	-13±1.0dB
Insertion loss	<0.1dB
VSWR	≤1.35
Power handling	200W
Intermodulation (3rd order)	≤ -150dBc @(3rd order with 2×20W) or -155dBc or -160dBc
Impedance	50 Ω

Environment & Mechanical

Temperature range	-25°C to +75 °C
Humidity	5%- 95%
Applications	IP65
Connector	N-Female
Dimensions(mm)	209.5x25x62.9mm
weight	0.4Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Low PIM Tapper, N, Golden, -150dBc/-155dBc/-160dBc



Technical Data

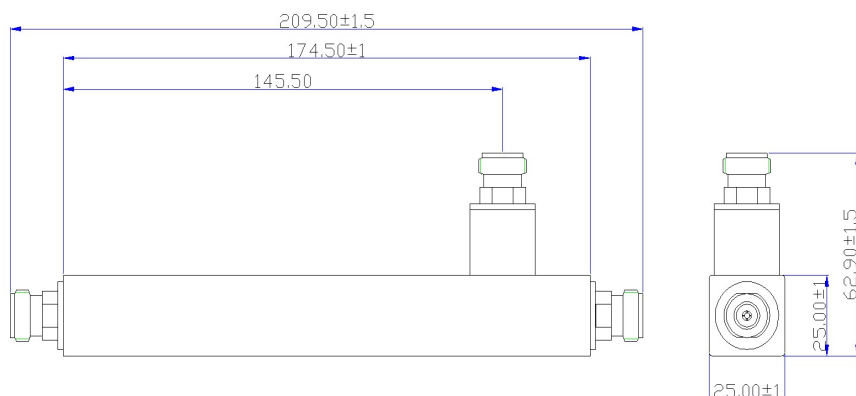
Electrical Specifications

PN	TPH-XXD-FN.VXX-AG				
Frequency	698-2700MHz				
Coupling	5dB	6dB	7dB	10dB	15dB
Tap loss(Input-P1)	-1.9dB	-1.5dB	-1.1dB	-0.5dB	-0.2dB
Tap loss(Input-P2)	-5±0.6 dB	-6±0.7dB	-7±0.8dB	-10±1dB	-15±1.2dB
Insertion loss	<0.1dB	<0.1dB	<0.1dB	<0.1dB	<0.1dB
VSWR	≤1.35				
Power handling	200W				
Intermodulation	≤ -150dBc @(3rd order with 2×20W) or -155dBc or -160dBc				
Impedance	50 Ω				

Environment & Mechanical

Temperature	-25°C to +75 °C
Humidity	5%- 95%
Applications	IP65
Connector	N-Female
Dimensions(mm)	209.5x25x62.9mm
weight	0.35Kg
Packing	1pcs/box

Outline Drawing



Product Specification

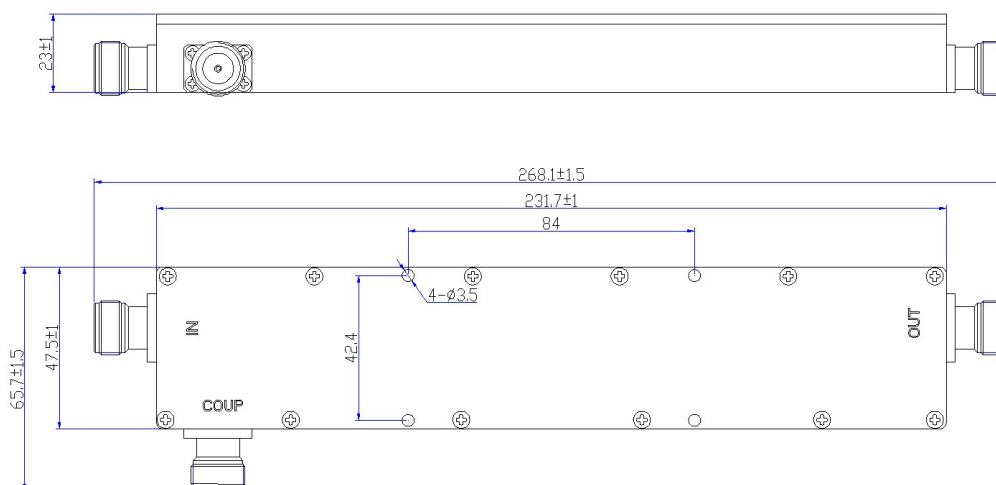
Name: 380-2700MHz Coupler, N, Black, -150dBc/-155dBc



Technical Data

Electrical Specifications						
PN	TH- XX A02-FN.V XX -LB					
Coupling(dB)	5	6	10	15	20	30
Frequency	380-2700MHz					
Attenuation	±1.0		±1.2	±1.5	±2	±2.5
Insertion loss(dB)	≤2.0	≤1.8	≤1.2	≤0.8	≤ 0.5	≤0.3
VSWR	≤1.3					
Isolation(dB)	≥24	≥25	≥28	≥33	≥38	≥43
PIM(3rd order)	≤-150dBc@2×43dBm or -155dBc					
Power handling	300 W(avg.)					
Impedance	50 Ω					
Environment & Mechanical						
Temperature range	-25°C to +75°C					
Humidity	5% - 95%					
Applications	IP65					
Connector	N-Female					
Weight	0.7 Kg					
Dimensions	268.1x65.7x23mm (without connectors)					
Packing	1pcs/box					

Outline Drawing



Product Specification

Name: 3dB 2 Input 2 Output Hybrid, PIM -150dBc



Technical Data

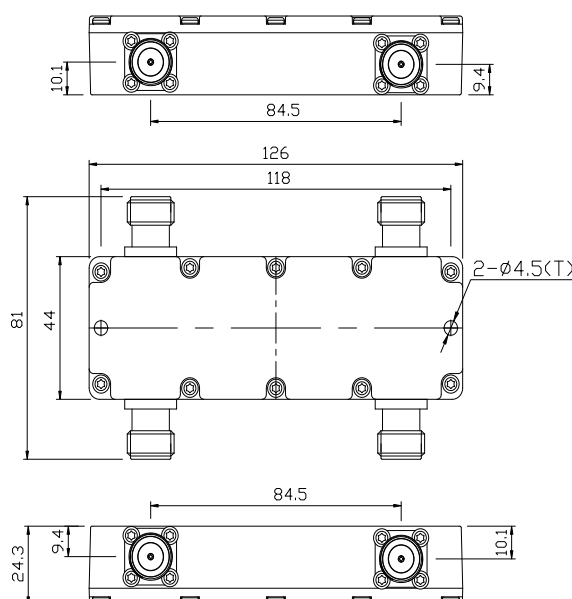
Electrical Specifications

PN	BH-03G-FN.V01-S1-SB	BH-03B-FN.V01-SB	BH-03D-FN.V01-
Frequency	800-2500	800-2700	698-2700
Insertion loss	≤0.5dB	≤0.5dB	≤0.6dB
Ripple	≤0.5dB	≤0.7dB	≤1.0dB
Isolation	≥24dB	≥24dB	≥24dB
VSWR	≤1.25	≤1.25	≤1.25
Power handling	200 W	200 W	200 W
Intermodulation(3 rd order)	≤ -150 dBc @(3rd order with 2×20W)		
Impedance	50 Ω		

Environment & Mechanical

Temperature range	-25 °C to +65 °C
Humidity	5%- 95%
Applications	IP65
Connector	N-Female
Dimensions(mm)	126x77x23.9mm(without connectors)
weight	0.36Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: 3dB 2*2 Hybrid 698-2700MHz, N, -150dBc/-155dBc



Technical Data

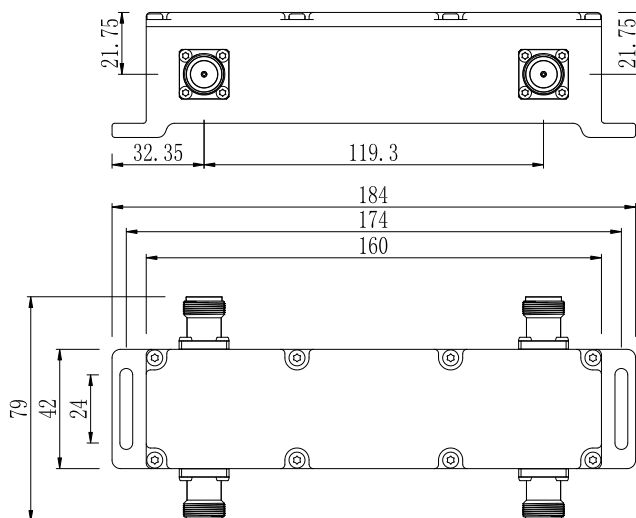
Electrical Specifications

PN	BH-03D-FN.VXX-BB
Frequency	698-2700
Insertion loss	$\leq 0.45\text{dB}$
Ripple	$\leq 0.5\text{dB}$
Isolation	$\geq 25\text{dB}$
VSWR	≤ 1.22
Power handling	300 W
Intermodulation (3rd order)	$\leq -150\text{dBc}$ @(3rd order with $2 \times 20\text{W}$) or $\leq -155\text{ dBc}$
Impedance	50 Ω

Environment & Mechanical

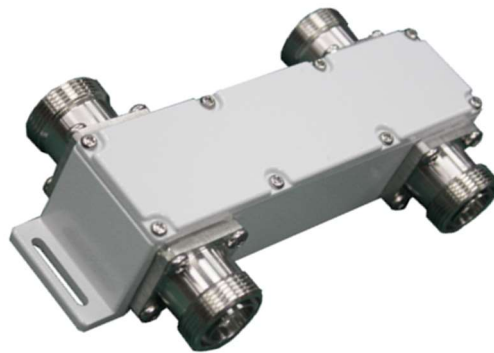
Temperature range	-25 °C to +65 °C
Humidity	5%- 95%
Applications	IP66
Connector	N-Female
Dimensions(mm)	184x42x39mm(without connectors)
weight	0.4Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: 3dB 2*2 Hybrid 698-2700MHz, DIN, -150dBc/-155dBc



Technical Data

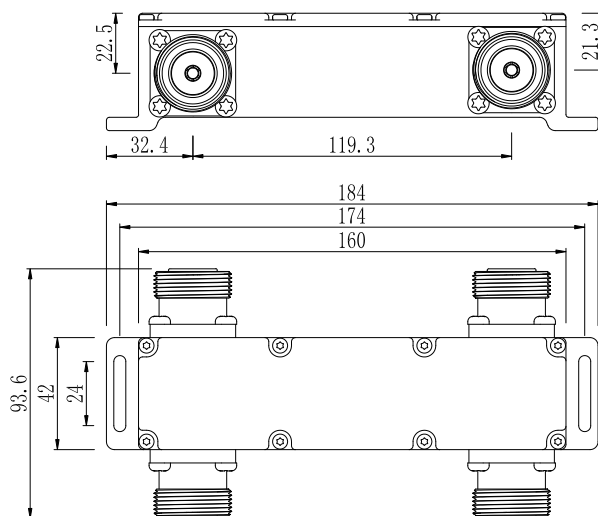
Electrical Specifications

PN	BH-03D-FD.VXX-BW
Frequency	698-2700
Insertion loss	$\leq 0.45\text{dB}$
Ripple	$\leq 0.5\text{dB}$
Isolation	$\geq 25\text{dB}$
VSWR	≤ 1.22
Power handling	500 W
Intermodulation (3rd order)	$\leq -150\text{dBc}$ @(3rd order with $2 \times 20\text{W}$) or $\leq -155\text{ dBc}$
Impedance	50 Ω

Environment & Mechanical

Temperature range	-25 °C to +65 °C
Humidity	5%- 95%
Applications	IP66
Connector	DIN-Female
Dimensions(mm)	184x42x39mm(without connectors)
weight	0.9Kg
Packing	1pcs/box

Outline Drawing

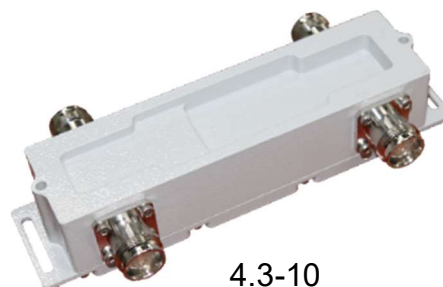


Product Specification

Name: 3dB 2*2 Hybrid 698-2700MHz, N or 4.3-10,
-150dBc/-155dBc/-160dBc



N-Female



4.3-10

Technical Data

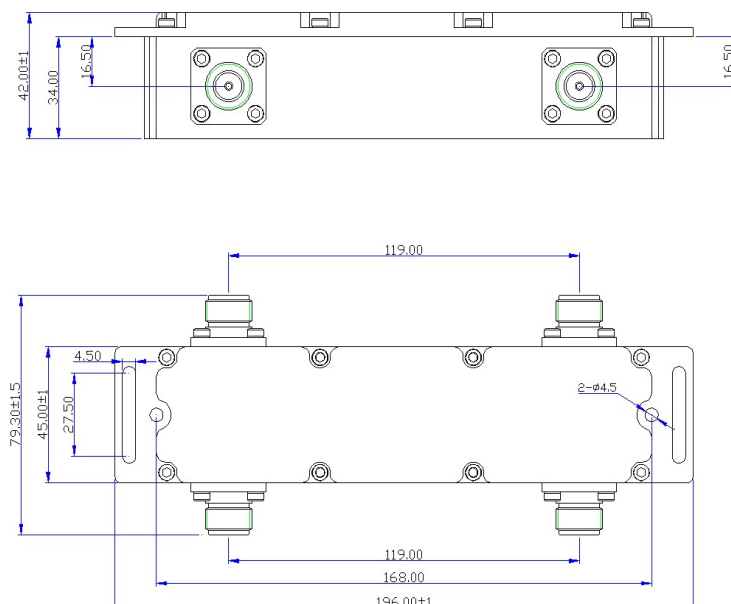
Electrical Specifications

PN	BH-D2I2O-FN.VXX-LW	BH-D2I2O-F4D.VXX-LW
Frequency	698-2700	
Insertion loss	$\leq 3.5\text{dB}$	
Ripple	$\leq 0.5\text{dB}$	
Isolation	$\geq 23\text{dB}$	
VSWR	≤ 1.22	
Power handling	200 W	
Intermodulation (3rd order)	$\leq -150\text{dBc}$ @(3rd order with $2 \times 20\text{W}$) or $\leq -155\text{ dBc}$ or $\leq -160\text{ dBc}$	
Impedance	50 Ω	

Environment & Mechanical

Temperature range	$-25\text{ }^{\circ}\text{C}$ to $+65\text{ }^{\circ}\text{C}$	
Humidity	5%- 95%	
Applications	IP65	
Connector	N-Female	4.3-10
Dimensions(mm)	196x79.3x42mm	196x86.7x42mm
weight	1.2Kg	1.21Kg
Packing	1pcs/box	

Outline Drawing



Product Specification

Name: 6dB 4*4 Hybrid 698-2700MHz, N or DIN, -150dBc/-155dBc

- Low insertion loss
- The Max Isolation can up to 25dB
- Low VSWR
- Guaranteed PIM Compliance,
PIM can Lower than -155dBc.



Technical Data

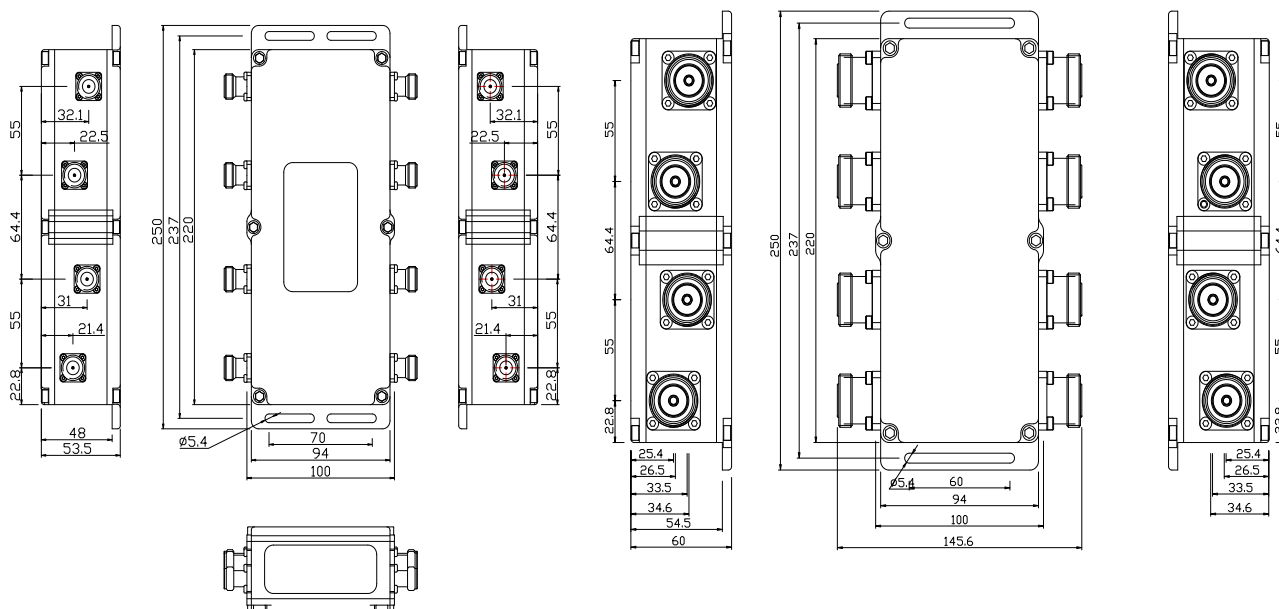
Electrical Specifications

PN	BH-06D-FN.VXX	BH-06D-FD.VXX
Frequency	698-2700	
Insertion loss	≤6.9dB	
Isolation	≥23dB	
VSWR	≤1.22	
Power handling	300 W	500W
DC-Bypass	IN1→OUT1; IN2→OUT2; IN3→OUT3; IN4→OUT4; (Max6.5A AISG 2.0 conform)	
Intermodulation (3rd order)	≤ -150dBc @(3rd order with 2×20W) or ≤ -155 dBc	
Impedance	50 Ω	

Environment & Mechanical

Temperature range	-25 °C to +65 °C	
Humidity	5%- 95%	
Applications	IP66	
Connector	N-Female	DIN-Female
Dimensions(mm)	250x100x53.5mm(without connectors)	
weight	1.5Kg	2.3Kg
Packing	1pcs/box	

Outline Drawing



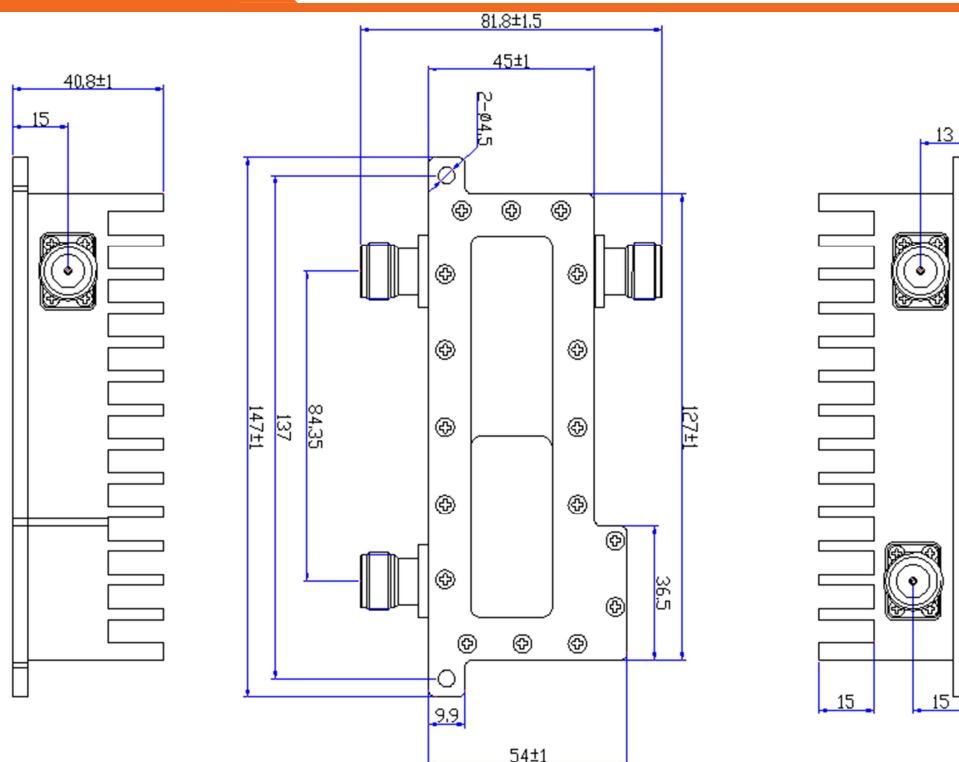
Name: 2 Input 1 Output 3dB Hybrid 698-2700MHz,-150dBc



PN	BH-D2110-FN.V01-LB
Frequency	698-2700
Insertion loss	≤3.6dB
Isolation	≥23dB
VSWR	≤1.25
Ripple	≤0.8
Power handling	200W
Intermodulation (3rd order)	≤ -150dBc @(3rd order with 2×20W)
Impedance	50 Ω

Temperature range	-2 0°C to +60 °C
Humidity	5%- 95%
Applications	IP60
Connector	N-Female
Dimensions(mm)	147x81.8x40.8mm
weight	0.75Kg
Packing	1pcs/box

Outline Drawing



Product Specification

**Name: 2 Input 2 Output 3dB Hybrid 380-2700MHz, N,
-150dBc/-155dBc/-160dBc**



Technical Data

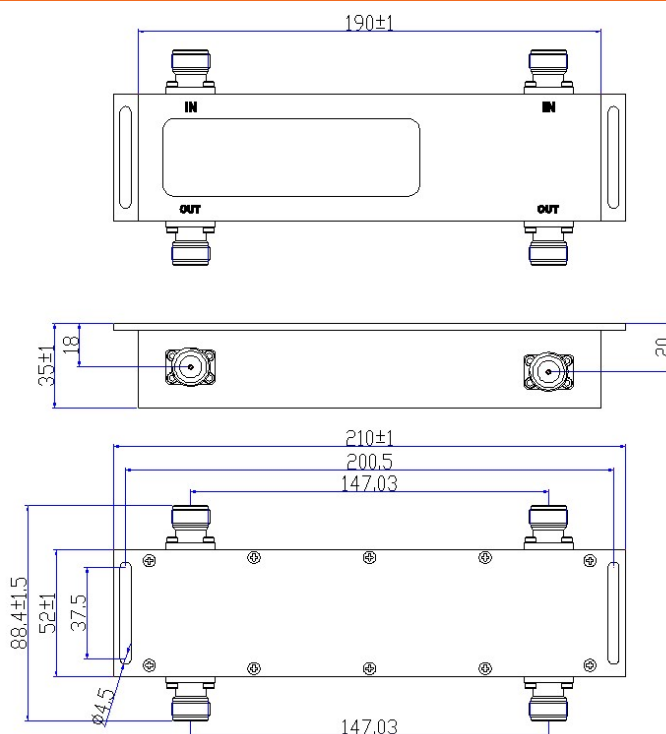
Electrical Specifications

PN	BH-A022I2O-FN.V01-LB
Frequency	380-2700
Insertion loss	≤4dB
Isolation	≥23dB
VSWR	≤1.3
Ripple	≤1.0
Power handling	300W
Intermodulation (3rd order)	≤ -150dBc @(3rd order with 2×20W) or ≤-155dBc or ≤-160dBc
Impedance	50 Ω

Environment & Mechanical

Temperature range	-2 0°C to +60 °C
Humidity	5%- 95%
Applications	IP65
Connector	N-Female
Dimensions(mm)	210x93.7x35mm
weight	0.75Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Dual-Band Combiner 380-960/1710-2700MHz

PN: CH-0201-A01P-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lighting protection function



Technical Data

Electrical Specifications

Frequency	CH1:380-960MHz	CH2:1710-2700MHz
Insertion loss	$\leq 0.3\text{dB}$	$\leq 0.3\text{dB}$
Isolation	$\geq 60\text{dB}$	
VSWR	1.25	
Power handling	300W	
DC/AISG	By-pass(Max.2.5A) @ CH2	
Lighting Protection	3 KA,10/350 μs pulse	
Intermodulation (3 rd order)	$\leq -150\text{dBc}$ @(3 rd order with 2 $\times$ 20W)	
Impedance	50 Ω	

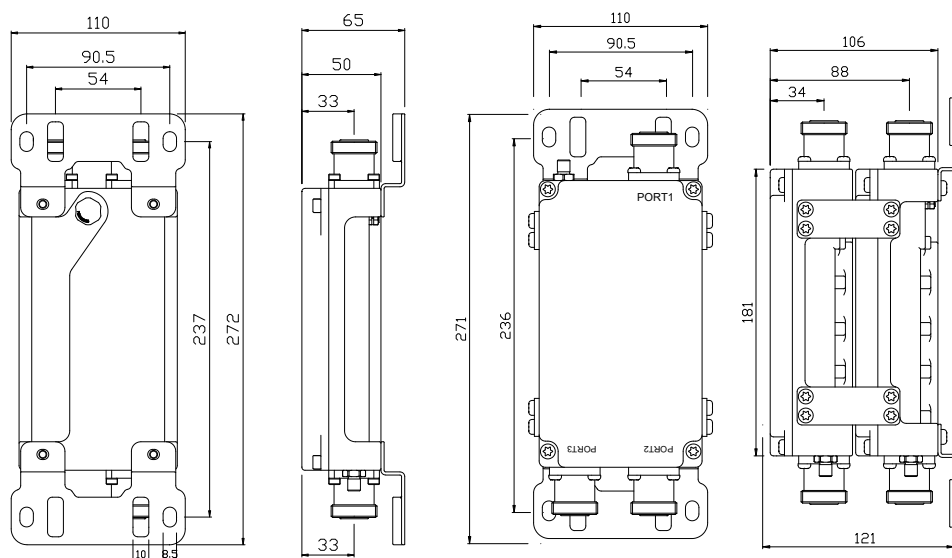
Environment & Mechanical

Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 178x100x50mm(without connectors)
Weight	Single unit:1.5Kg
Packing	1pcs/box

Outline Drawing

Single unit

Double unit



Product Specification

Name: Dual-Band Combiner 380-2170/2400-2700MHz

PN: CH-0201- BM03-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

Electrical Specifications

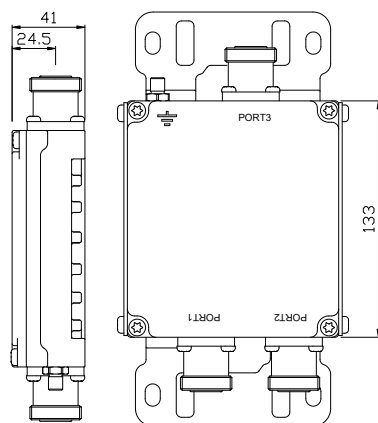
Frequency	CH1:380-2170MHz	CH2:2400-2700MHz
Insertion loss	$\leq 0.5\text{dB}$; typical 0.3dB	
Isolation	$\geq 60\text{dB}$	
VSWR	1.28	
Power handling	300W	
DC/AISG	By-pass(Max.2.5A) @ CH2	
Lighting Protection	3 KA, 10/350 μs pulse	
Intermodulation (3 rd order)	$\leq -150\text{dBc}$ @(3 rd order with 2 $\times$ 20W)	
Impedance	50 Ω	

Environment & Mechanical

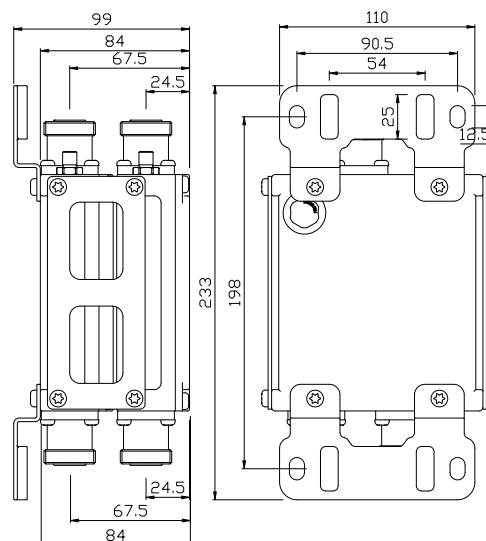
Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 133x119x41mm (without connectors)
Weight	Single unit:1.5Kg
Packing	1pcs/box

Outline Drawing

Single unit



Double unit



Product Specification

Name: Dual-Band Combiner 698-806/824-960MHz

PN: CH-0201-A09I11-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

Electrical Specifications

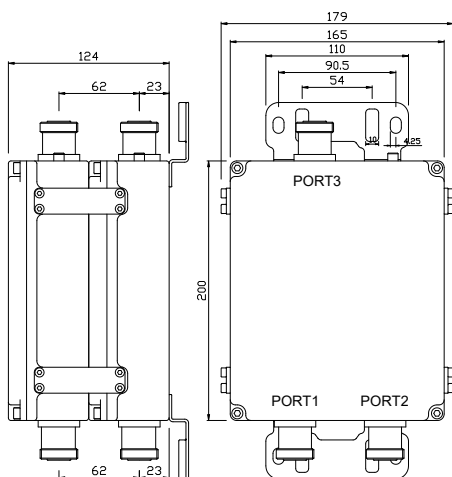
Frequency	CH1: 698-806MHz	CH2: 824-960MHz
Insertion loss	$\leq 0.5\text{dB}$	
Isolation	$\geq 50\text{dB}$	
VSWR	1.25	
Power handling	300W	
DC/AISG	By-pass(Max.2.5A) @ CH2	
Lighting Protection	3 KA, 10/350 μs pulse	
Intermodulation (3 rd order)	$\leq -150\text{dBc}$ @(3 rd order with 2 $\times$ 20W)	
Impedance	50 Ω	

Environment & Mechanical

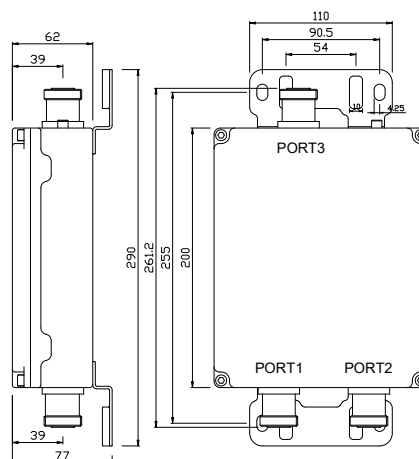
Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 200x165x124mm (without connectors)
Weight	Single unit: 2.7Kg
Packing	1pcs/box

Outline Drawing

Double Unit



Single unit



Product Specification

Name: Dual-Band Combiner 790-862/880-960MHz

PN: CH-0201D-E01I06-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

Electrical Specifications

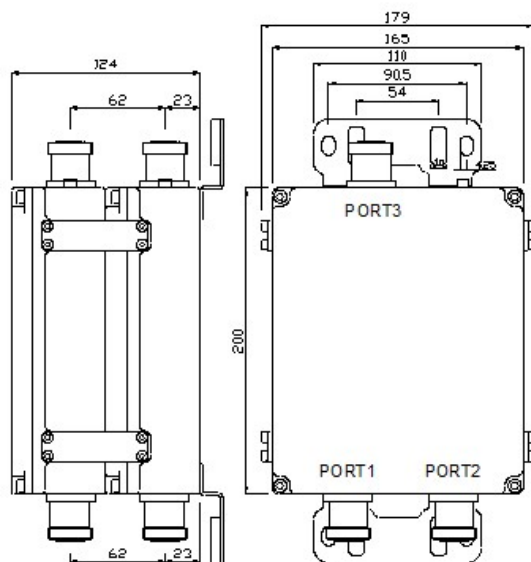
Frequency	CH1:790-862MHz; CH2:880-960MHz
Insertion loss	$\leq 0.4\text{dB}$
Isolation	$\geq 50\text{dB}$
VSWR	≤ 1.25
Intermodulation (3 rd order)	$\leq -150\text{dBc}$ @(3 rd order with 2×20W)
Power handling	300W
DC/AISG	By-pass(Max.2.5A)(optional)
Lighting Protection	3 KA,10/350 μs pulse
Impedance	50 Ω

Environment & Mechanical

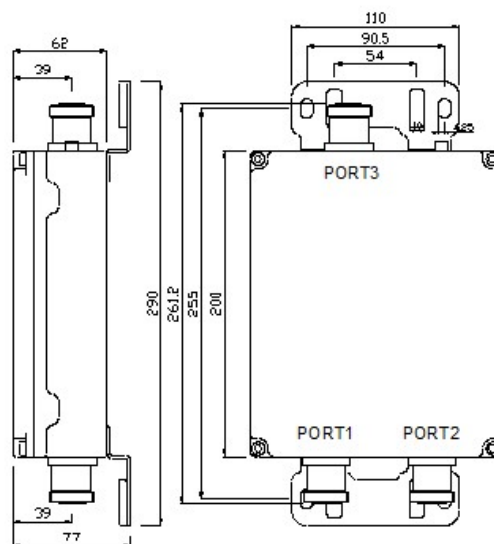
Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Double unit:200x165x108 mm (without connectors)
Weight	Double unit:5.5 Kg
Packing	1pcs/box

Outline Drawing

Double Unit



Single unit



Product Specification

Name: 1710-1880/1920-2170MHz Dual Band Combiner

PN: CH-0201D-JL-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

Electrical Specifications

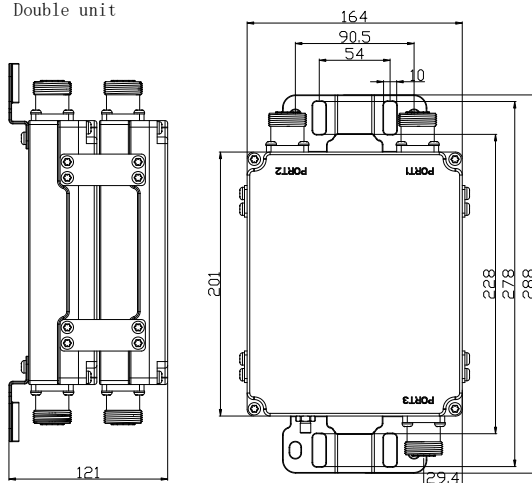
Frequency	CH1:1710-1880MHz; CH2:1920-2170MHz
Insertion loss	≤0.4dB
Isolation	≥60dB
VSWR	≤1.25
Intermodulation (3 rd order)	≤ -150 dBc @(3 rd order with 2×20W)
Power handling	300W
DC/AISG	By-pass(Max.2.5A)(optional)
Lighting Protection	3 KA,10/350 μs pulse
Impedance	50Ω

Environment & Mechanical

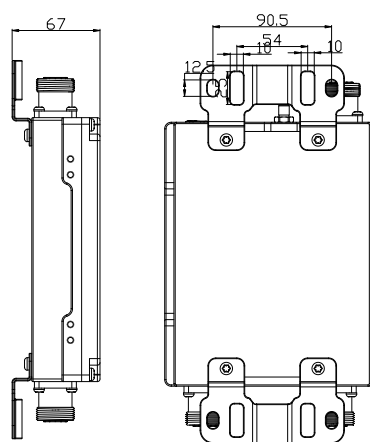
Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Double unit:201x164x106 mm (without connectors)
Weight	Double unit:4.5 Kg
Packing	1pcs/box

Outline Drawing

Double unit



Single unit



Product Specification

Name: 1710-1880/1920-2170MHz Dual Band Combiner

PN: CH-0201D-JL-FD.V01-B

- Single and Double units as optional
- High isolation
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

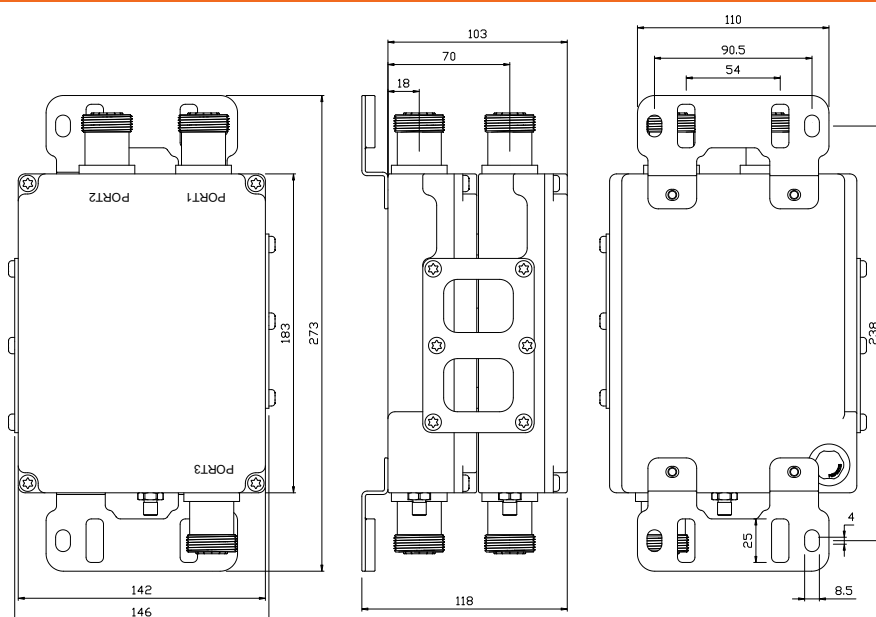
Electrical Specifications

Frequency	CH1:1710-1880MHz; CH2:1920-2170MHz
Insertion loss	≤0.6dB
Isolation	≥80dB
VSWR	≤1.25
Intermodulation (3 rd order)	≤ -150 dBc @(3 rd order with 2×20W)
Power handling	300W
DC/AISG	By-pass(Max.2.5A)(optional)
Lighting Protection	3 KA,10/350 μs pulse
Impedance	50Ω

Environment & Mechanical

Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Double unit:183x146x103 mm (without connectors)
Weight	Double unit:4.2 Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: T ri-Band Combiner 790-960/1710-1880/1920-2170MHz

PN: CH-0301-E05JL-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

Electrical Specifications

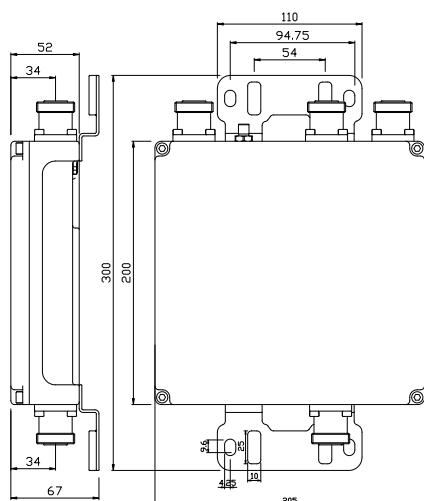
Frequency	CH1:790-960MHz	CH2:1710-1880MHz	CH3:1920-2170MHz
Insertion loss	≤0.25dB	≤0.4dB	≤0.4dB
Ripple	≤0.2dB	≤0.4dB	≤0.4dB
Isolation	≥50dB		
VSWR	1.25		
Power handling	300W		
DC/AISG	By-pass(Max.2.5A)@as optional		
Lighting Protection	3 KA,10/350 μs pulse		
Intermodulation (3 rd order)	≤ -150dBc @(3 rd order with 2×20W)		
Impedance	50Ω		

Environment & Mechanical

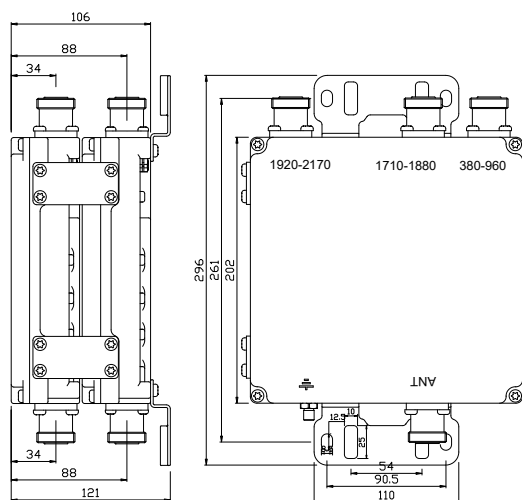
Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 205x200x52mm(without connectors)
Weight	Single unit:3.8 Kg
Packing	1pcs/box

Outline Drawing

Single unit



Double unit



Product Specification

Name: Tri-Band Combiner 1710-1880/1920-2170/2500-2700MHz

PN: CH-0301-JLN-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

Electrical Specifications

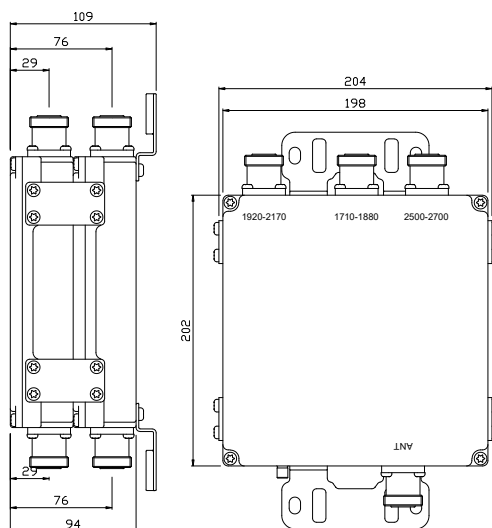
Frequency	CH1:1710-1880MHz	CH2:1920-2170MHz	CH3:2500-2700MHz
Insertion loss	0.4dB;typical 0.25 dB		
Isolation	≥50dB		
VSWR	1.25		
Power handling	300W		
DC/AISG	By-pass(Max.2.5A)@as optional		
Lighting Protection	3 KA,10/350 μs pulse		
Intermodulation (3 rd order)	≤ -150dBc @(3 rd order with 2×20W)		
Impedance	50Ω		

Environment & Mechanical

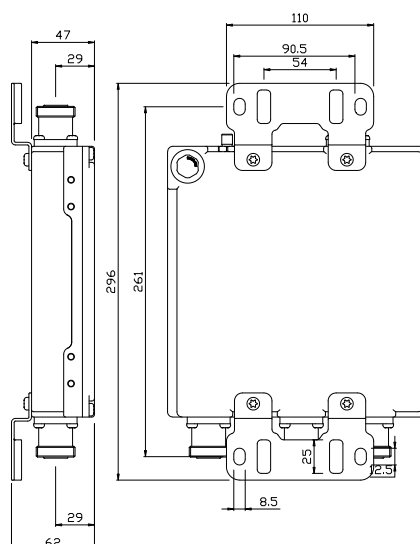
Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 202x198x47mm(without connectors)
Weight	Single unit:3 Kg
Packing	1pcs/box

Outline Drawing

Double unit



Single unit



Product Specification

Name: Tri-Band Combiner 698-960/1710-2170/2500-2700MHz

PN: CH-0301-A09KN-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

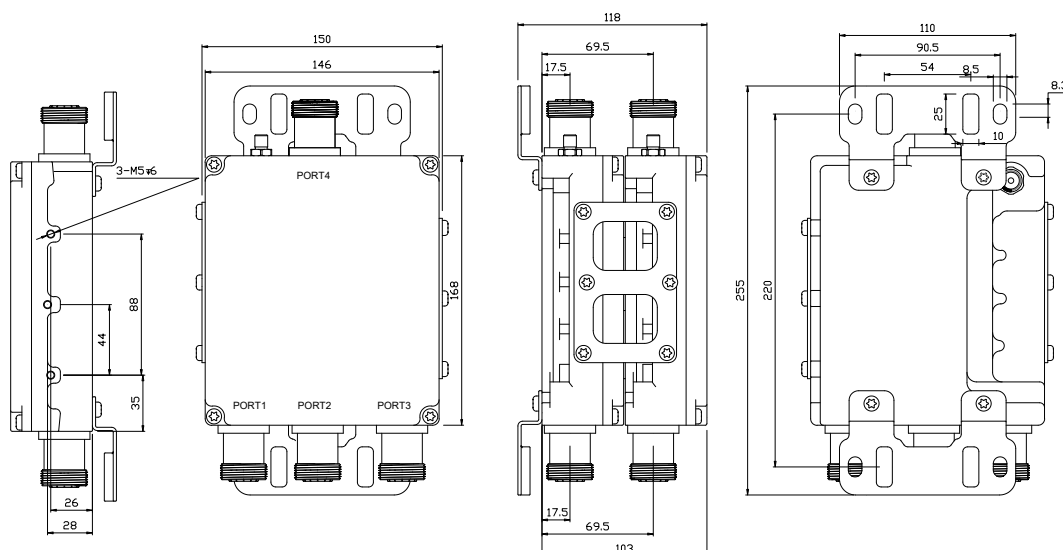
Electrical Specifications

Frequency	CH1:698-960MHz	CH2:1710-2170MHz	CH3:2500-2700MHz
Insertion loss	≤0.3dB	≤0.3dB	≤0.3dB
Isolation	≥60dB		
VSWR	1.25		
Power handling	300W		
DC/AISG	By-pass(Max.2.5A)@as optional		
Lighting Protection	3 KA,10/350 μs pulse		
Intermodulation (3 rd order)	≤ -150dBc @(3 rd order with 2×20W)		
Impedance	50Ω		

Environment & Mechanical

Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 168x160x50mm(without connectors)
Weight	Single unit:3 Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Tri-Band Combiner 698-798/824-960/1710-2170MHz

PN: CH-0301-A10I09K-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function



Technical Data

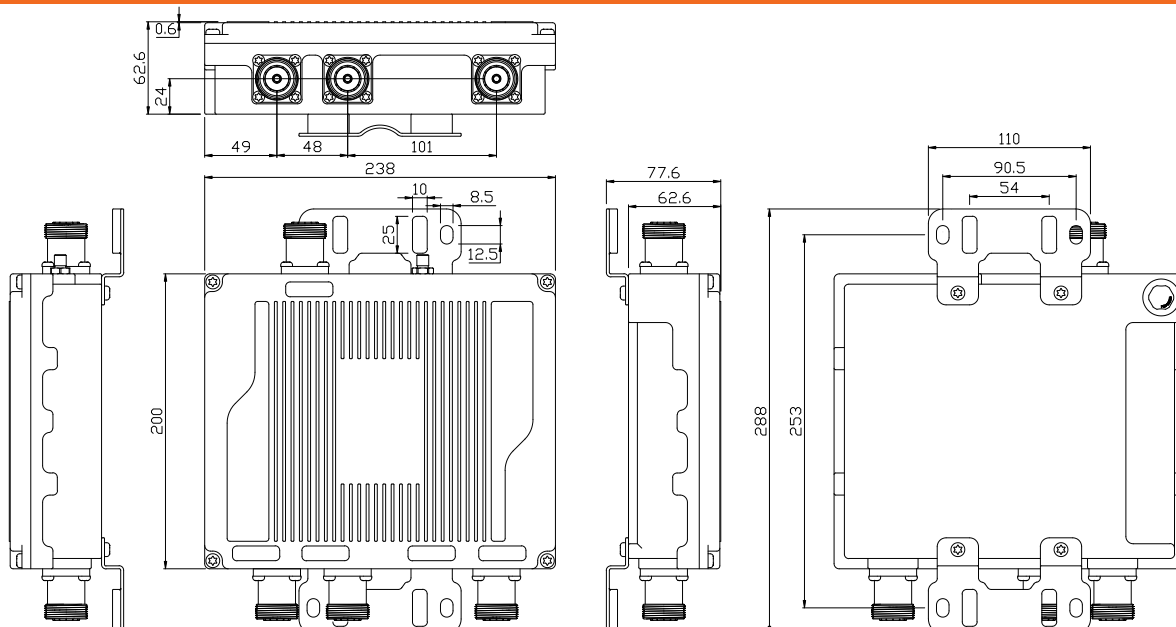
Electrical Specifications

Frequency	CH1:698-798MHz	CH2:824-960MHz	CH3:1710-2170MHz
Insertion loss	≤0.6dB		
Isolation	≥60dB		
VSWR	1.25		
Power handling	300W		
DC/AISG	By-pass(Max.2.5A)@as optional		
Lighting Protection	3 KA,10/350 μs pulse		
Intermodulation (3 rd order)	≤ -150dBc @(3 rd order with 2×20W)		
Impedance	50Ω		

Environment & Mechanical

Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP67
Connector	DIN-Female
Dimensions(mm)	Single unit: 238x200x62.5mm(without connectors)
Weight	Single unit:3.65 Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Quad Band Combiner

380-960/1710-1880/1920-2170/2400-2700MHz

PN: CH-0401-A01JLM03-FD.V01

- Single and Double units as optional
- Easy to install
- Outdoor IP65 waterproof
- With lightning protection function



Technical Data

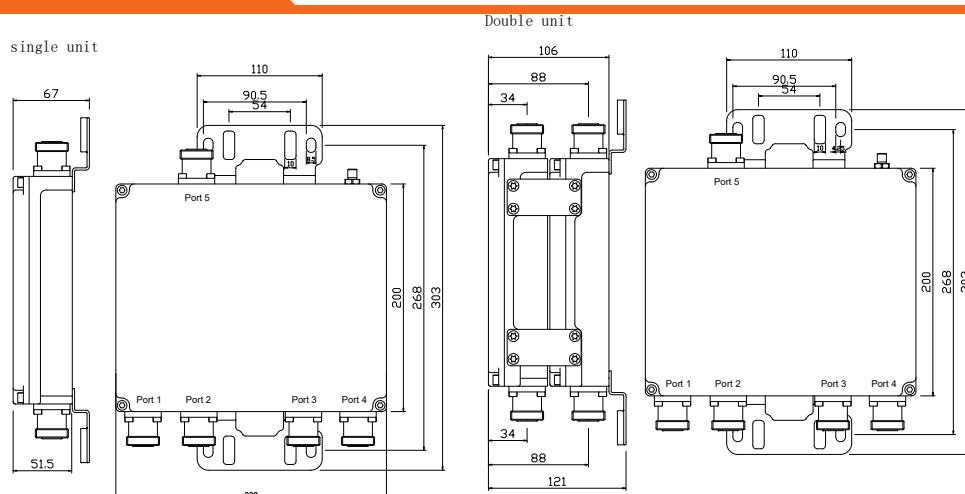
Electrical Specifications

Frequency	380-960MHz	1710-1880MHz	1920-2170 MHz	2400-2700 MHz
Insertion loss	≤0.3dB	≤0.4dB	≤0.4dB	≤0.3dB
Isolation	≥50dB			
VSWR	≤1.25			
Intermodulation (3 rd)	≤ -150 dBc @(3 rd order with 2×20W)			
Power handling	250W			
DC/AISG	By-pass(Max.2.5A)(optional)			
Lighting Protection	3 KA,10/350 μs pulse			
Impedance	50Ω			

Environment & Mechanical

Temperature range	-20 °C to +60 °C
Humidity	5%- 95%
Applications	IP65
Connector	DIN-Female
Dimensions(mm)	Single unit: 238x200x52mm(without connectors)
Weight	Single unit:4 Kg
Packing	1pcs/box

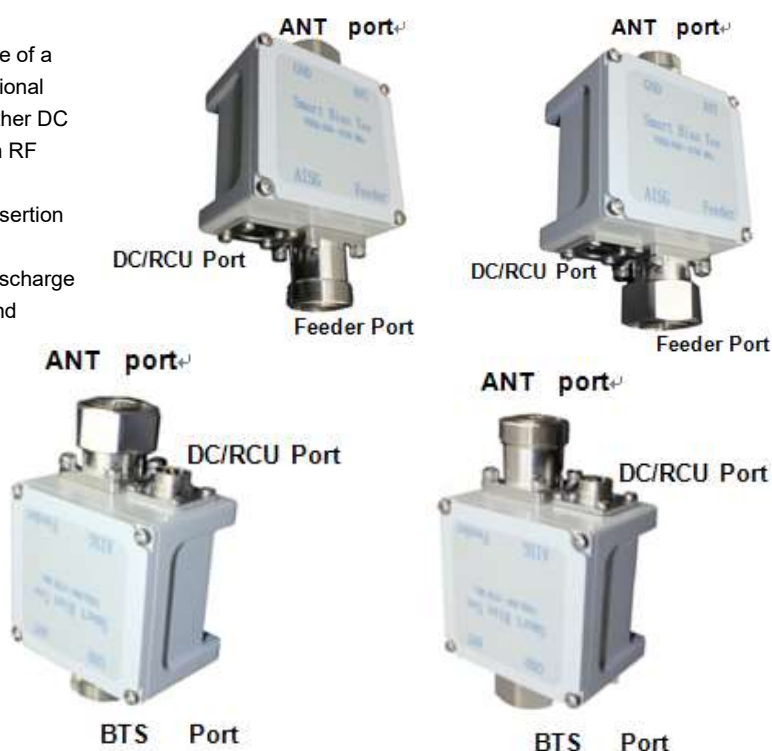
Outline Drawing



Product Specification

Name: Smart Bias Tees

- The **Smart Bias Tee** combines the performance of a Standard Bias Tee with the function of an additional modem (AISG standard) in order to provide either DC voltage as well as remote control signals via an RF feeder cable to a TMA or RCU.
- The **Smart Bias Tee** provides low RF signal insertion Loss from port 1 to port 2 and vice versa. The measures taken to protect against static discharge and lightning ensure a high level of reliability and operational safety.



Technical Data

Electrical Specifications

Port 1: 7-16 male	Antenna	Feeder	BTS	Feeder
Port 2: 7-16 female	Feeder	Antenna	Feeder	BTS
Frequency range	690 – 2700 MHz			
Insertion loss(Port 1 - Port 2)	< 0.1 dB (690 – 2700 MHz)			
Isolation for DC and RCU signals	> 70 dB			
Port 1 - Port 2	> 70 dB			
Port 1 -Port DC/RCU	>0 dB			
Return loss/VSWR	<27dB/ 1.10 @690 – 2700 MHz			
Impedance	50 Ω			
Input power				
Port 1 or port 2	< 750 W (690 – 2700 MHz)			
Port DC/RCU	<2.5 A / +10 ... +30 VDC			
Power consumption	Typically 0.6 W			
Lightning protection	3 kA, 10/350 μs pulse			
Intermodulation	< –160 dBc (3rd order; with 2 x 20 W)			
Temperature range	–40 ... +60 °C			
Modem carrier frequency	2.176 MHz			
Application	Indoor or outdoor (IP66)			
Weight	0.65 kg			
Dimensions (w x h x d)	68×70×55mm (without connectors)			

Product Specification

Name: Filter 885-909&930-954MHz

PN: FH-C02I02-FDMD.V01



Technical Data

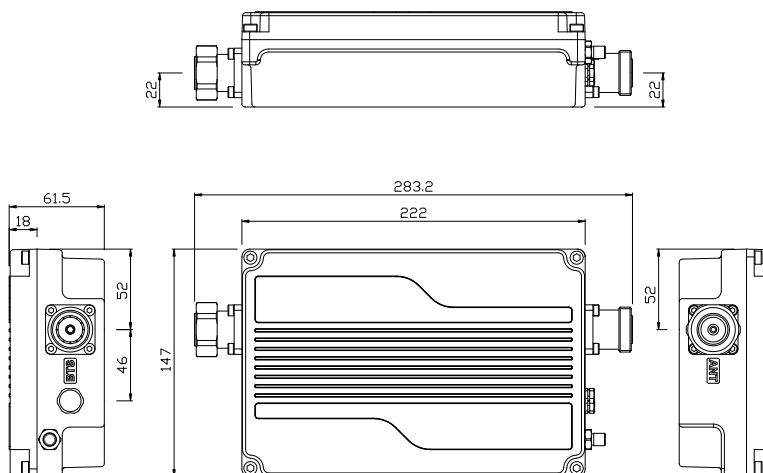
Electrical Specifications

Frequency	885-909&930-954MHz
Insertion loss	≤1.0dB@885-909MHz ≤0.5 dB@930-954MHz
Rejection	≥60 dB @ DC-880MHz ≥80 dB @ 1710-2200MHz
Ripple	≤0.8dB@885-909MHz ≤0.4 dB@930-954MHz
VSWR	1.22
Power handling	300 W
Intermodulation (3 rd order)	≤ -150 dBc @(3 rd order with 2×20W)
Impedance	50 Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	IP66
Connector	DIN-Female & DIN-Male
Dimensions(mm)	221x146x61.5 mm(without connectors)
weight	2.14Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Filter 885-895&930-940MHz

PN: FH-C02I11-FD.V01



Technical Data

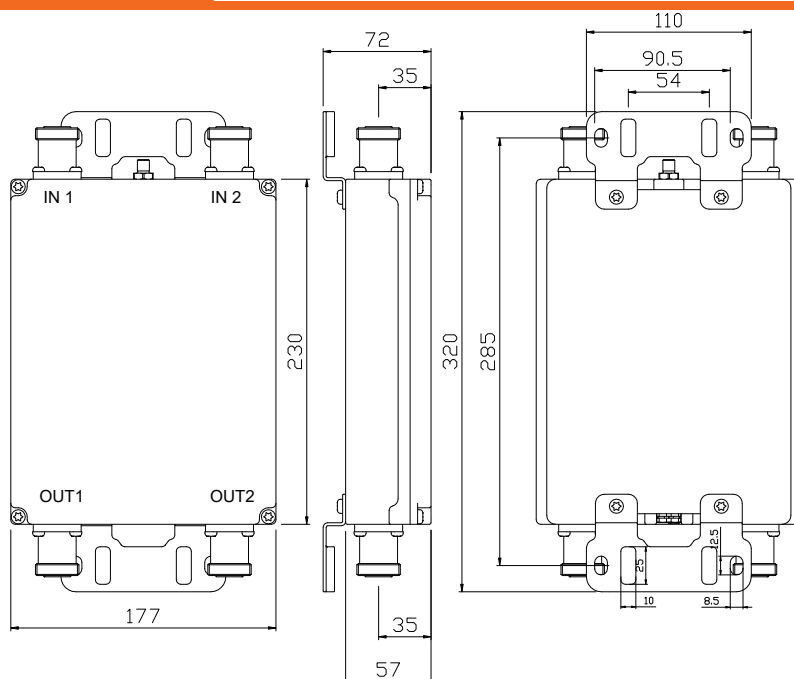
Electrical Specifications

Frequency	885-895&930-940MHz
Insertion loss	≤1.2dB
Rejection	≥40 dB @870-880MHz ≥15 dB @ 905-920MHz
Ripple	≤0.8dB
VSWR	1.25
Power handling	200 W
Intermodulation (3 rd order)	≤ -150 dBc @(3 rd order with 2×20W)
Impedance	50 Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	IP66
Connector	DIN-Female
Dimensions(mm)	320x117x57 mm(without connectors)
weight	3.8Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Filter 895-950MHz

PN: FH-C01I12-FD.V01



Technical Data

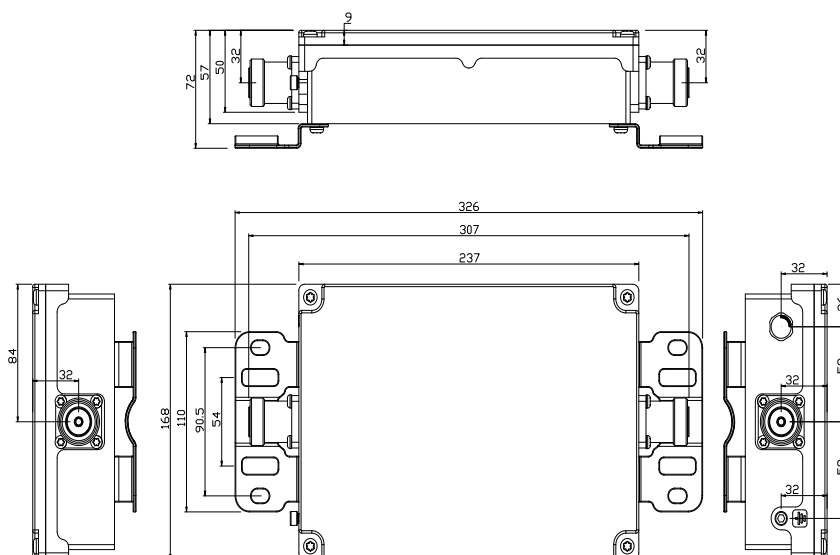
Electrical Specifications

Frequency	895-950MHz
Insertion loss	≤0.6dB
Rejection	≥80 dB @865-885MHz
Ripple	≤0.5dB
VSWR	1.25
Power handling	300 W
Lightning Protection	3KA @ 10~350us Pulse
DC pass current	Max 2500mA
Intermodulation (3 rd order)	≤ -150 dBc @(3 rd order with 2×20W)
Impedance	50 Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	IP66
Connector	DIN-Female
Dimensions(mm)	237x168x57 mm(without connectors)
weight	2.3Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Dual Band Combiner 800-960/1710-2170MHz

PN: CG-0201-I05K-FN.V02



Technical Data

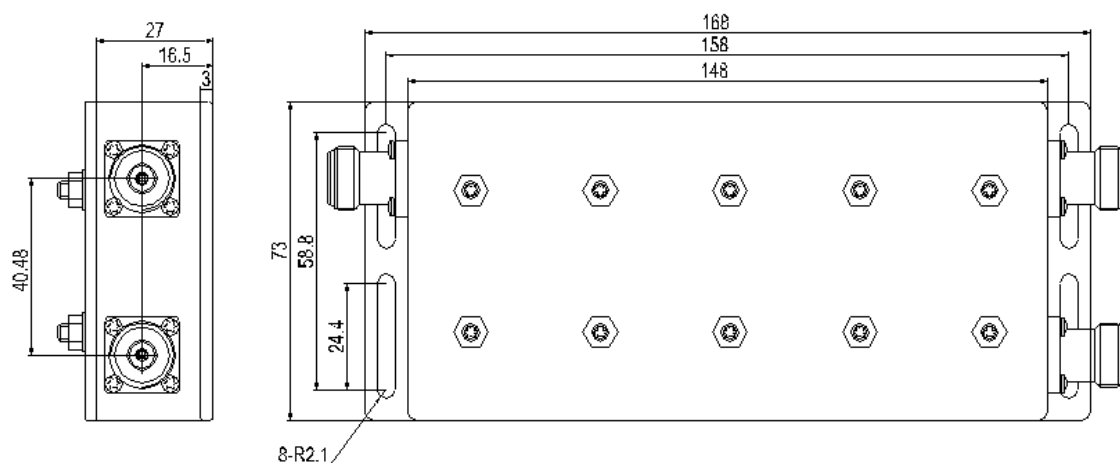
Electrical Specifications

Frequency	CH1:800-960MHz CH2:1710-2170MHz
Insertion loss	≤0.4dB
Isolation	≥80dB
VSWR	1.25
Power handling	200 W
Intermodulation (3 rd order)	≤ -140 dBc @(3 rd order with 2×20W)
Impedance	50 Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	Indoor
Connector	N-Female
Dimensions(mm)	168x73x30 mm(without connectors)
weight	0.58Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Dual Band Combiner 380-2170/2400-2700MHz

PN: CH-0201-A03M03-FN.V01

- Compact, low weight
- Low Intermodulation
- High isolation
- if normal band start from 800MHz, Isolation can be 80dB Min.



Technical Data

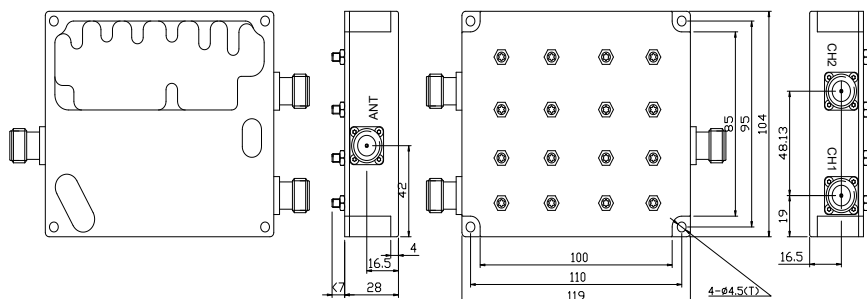
Electrical Specifications

Frequency	CH1:380-2170MHz CH2:2400-2700MHz
Insertion loss	$\leq 0.4\text{dB}$
Ripple	$\leq 0.3\text{dB}$
Isolation	$\geq 50\text{dB}$
VSWR	1.25
Power handling	200 W
Intermodulation (3 rd order)	$\leq -150\text{ dBc @ (3rd order with } 2 \times 20\text{W)}$
Impedance	50 Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	Indoor
Connector	N-Female
Dimensions(mm)	119x104x28mm(without connectors)
weight	0.56Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Dual Band Combiner 1710-1880/1920-2170MHz

PN: CG-0201-JL-FN.V01



Technical Data

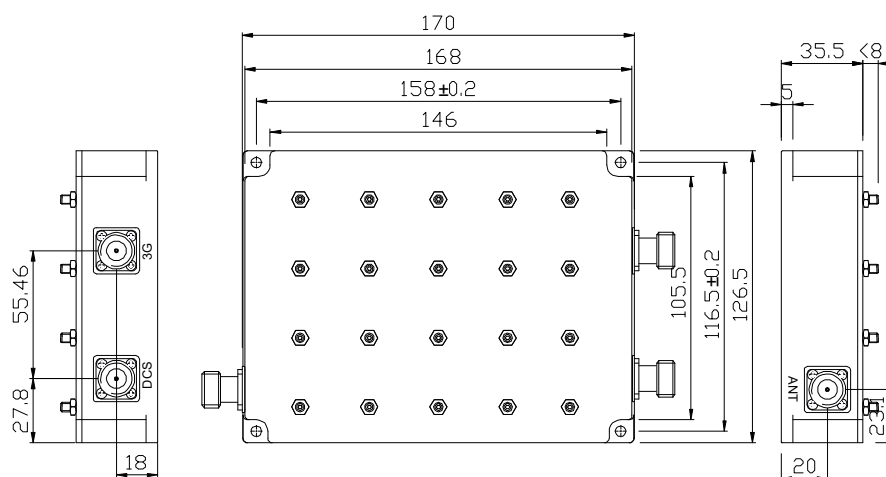
Electrical Specifications

Frequency	CH1:1710-1880MHz CH2:1920-2170MHz
Insertion loss	≤0.6dB
Ripple	≤0.5dB
Isolation	≥80dB
VSWR	1.25
Power handling	200 W
Intermodulation (3 rd order)	≤ -150 dBc @(3 rd order with 2×20W)
Impedance	50 Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	Indoor
Connector	N-Female
Dimensions(mm)	170x126.5x35.5 mm(without connectors)
weight	1.1Kg
Packing	1pcs/box

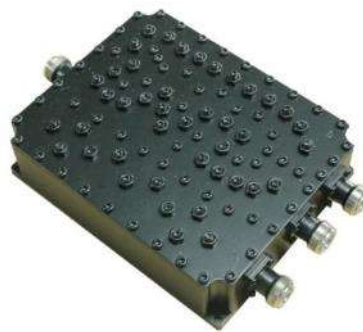
Outline Drawing



Product Specification

Name: Trip Band Combiner 698-960/1710-2170/2400-2700MHz

PN:CG-0301-A04KM03-FN.V01



Technical Data

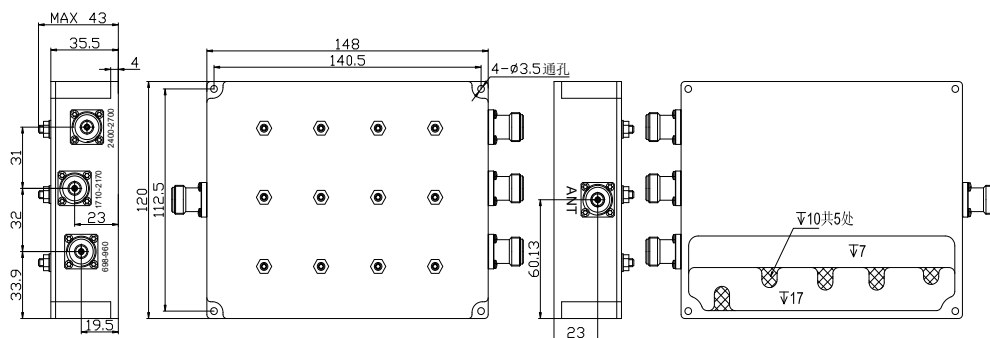
Electrical Specifications

Frequency	CH1:698-960; CH2:1710-2170MHz CH3:2400-2700MHz
Insertion loss	≤0.3dB
Ripple	≤0.2dB
Isolation	≥80dB
VSWR	1.25
Power handling	200W
Intermodulation (3 rd order)	≤ -140dBc @(3 rd order with 2×20W)
Impedance	50Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	Indoor
Connector	N-female
Dimensions(mm)	148x120x35.5mm(without connectors)
Weight	0.9Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Trip Band Combiner 800-960/1710-1880/1920-2170MHz

PN: CG-0301-I05JL-FN.V02



Technical Data

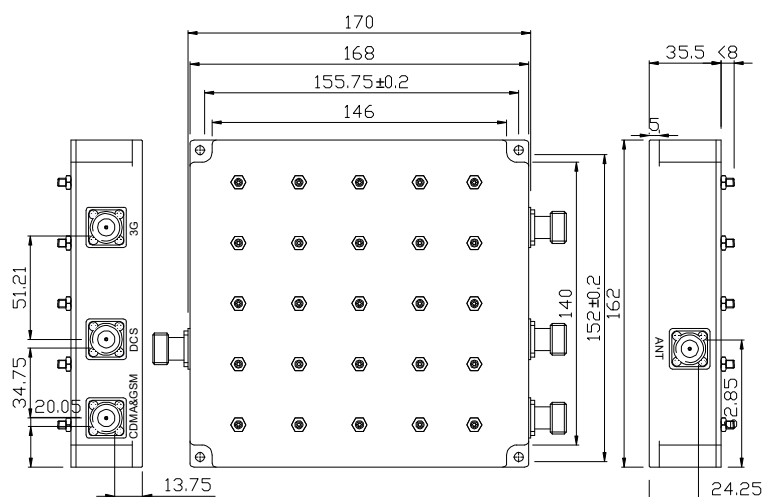
Electrical Specifications

Frequency	CH1:800-960; CH2:1710-1880MHz CH3:1920-2170MHz
Insertion loss	≤0.6dB
Ripple	≤0.5dB
Isolation	≥80dB
VSWR	1.25
Power handling	200W
Intermodulation (3 rd order)	≤ -140dBc @(3 rd order with 2×20W)
Impedance	50Ω

Environment & Mechanical

Temperature range	-20 °C to +55 °C
Humidity	5%- 95%
Applications	Indoor
Connector	N-Female
Dimensions(mm)	170x162x35.5mm(without connectors)
Weight	1.3Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Low PIM 50W Load

PN: LH-50-XX.V01

- XX means Connector type



Technical Data

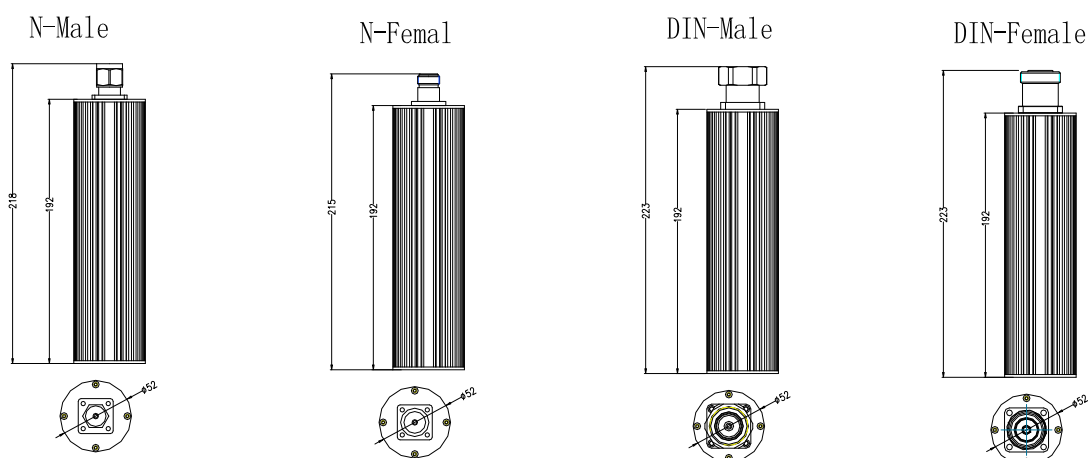
Electrical Specifications

Frequency	DC-3GHz
VSWR	≤ 1.2
Power handling	50 W
Intermodulation (3rd order)	$\leq -150\text{dBc}$ @(3rd order with $2 \times 20\text{W}$)
Impedance	50Ω

Environment & Mechanical

Temperature range	-55°C to +65 °C			
Humidity	5%- 95%			
Applications	Indoor or Outdoor(IP65)			
Connector	N-Male	N-Female	DIN-Male	DIN-Female
Dimensions(mm)	$\Phi 52 \times 218\text{mm}$	$\Phi 52 \times 215\text{mm}$	$\Phi 52 \times 223\text{mm}$	$\Phi 52 \times 223\text{mm}$
weight	0.95Kg	0.95Kg	1.25Kg	1.2Kg
Packing	1pcs/box			

Outline Drawing



Product Specification

Name: Low PIM 100W Load

PN: LH-100D-XX.V01

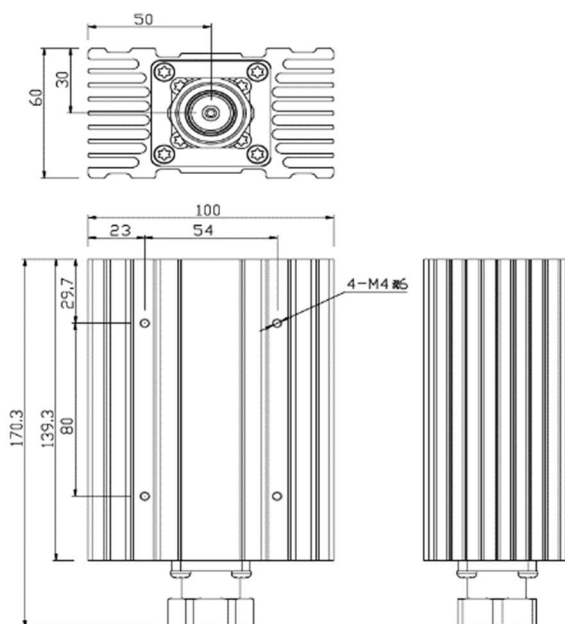
- XX means Connector type



Technical Data

Electrical Specifications	
Frequency	698-2700MHz
VSWR	≤ 1.2
Power handling	100 W
Intermodulation (3rd order)	$\leq -150\text{dBc}$ @(3rd order with 2×20W)
Impedance	50 Ω
Environment & Mechanical	
Temperature range	-55°C to +65 °C
Humidity	5%- 95%
Applications	Indoor
Connector	DIN-Male or Female or N- Female or male
Dimensions(mm)	139x100x60mm(without connectors)
weight	1.55Kg
Packing	1pcs/box

Outline Drawing



Product Specification

Name: Low PIM 200W Load

PN: LH-2000-XX.V01

- XX means Connector type



Technical Data

Electrical Specifications	
Frequency	698-2700MHz
VSWR	≤1.2
Power handling	200 W
Intermodulation (3rd order)	≤ -150dBc @(3rd order with 2×20W)
Impedance	50 Ω
Environment & Mechanical	
Temperature range	-55°C to +65 °C
Humidity	5%- 95%
Applications	Indoor
Connector	DIN-Male or Female or N- Female or male
Dimensions(mm)	255x208x99mm(without connectors)
weight	4.2Kg
Packing	1pcs/box

Outline Drawing

