



Antenna-Feeder Combiner

Catálogo



Diplexer Combiner (555-2700)

Model: PVL201.02010527

Product Features:

- 60 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

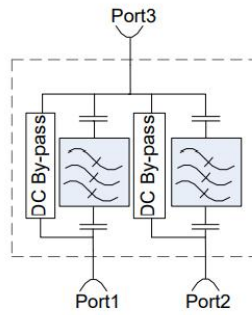


Technical Specifications:

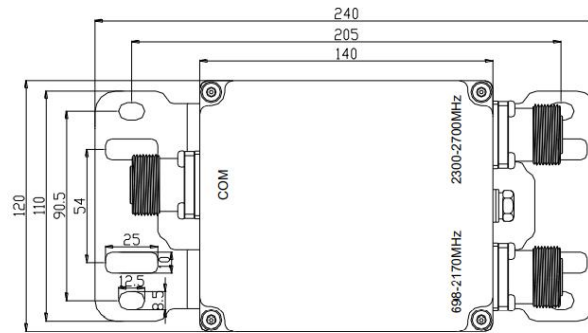
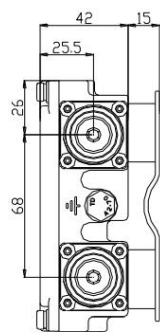
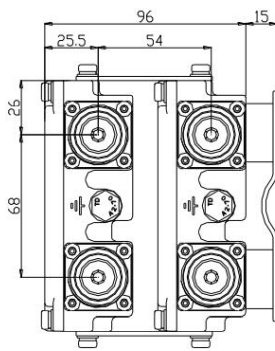
Electrical		
Frequency (MHz)	555-2180	2300-2700
Insertion Loss (dB)	≤0.4	
Isolation (dB)	≥60	
Return Loss/VSWR	≤-20dB/1.22	
PIM, 3rd Order (dBc)	≤ -155 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	140x120x42mm
Net weight (with installation kit) (kg)	≤1.2
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Diplexer Combiner (698-960)

Model: PVL201.02010609

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

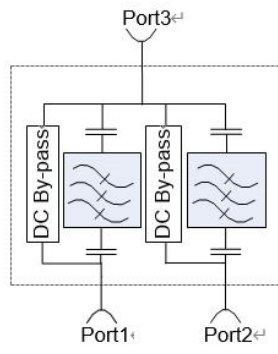


Technical Specifications:

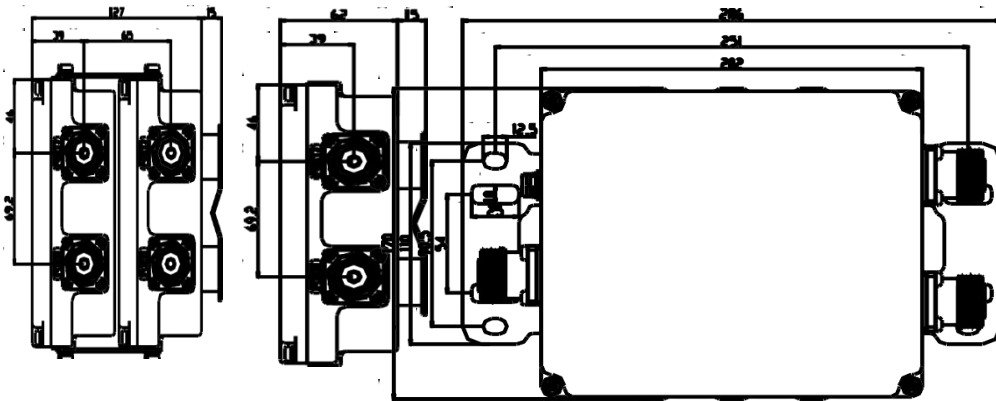
Electrical		
Frequency (MHz)	698-862	880-960
Insertion Loss (dB)	≤0.5	
Isolation (dB)	≥50	
Return Loss/VSWR	≤-20dB/1.22	
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	202x170x62mm
Net weight (with installation kit) (kg)	≤2.8
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Diplexer Combiner (698-3800)

Model: PVL201.02010638

Product Features:

- 40 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

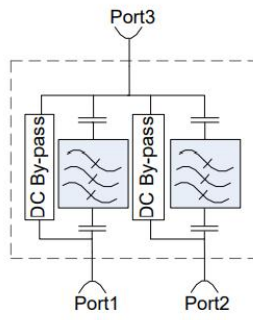


Technical Specifications:

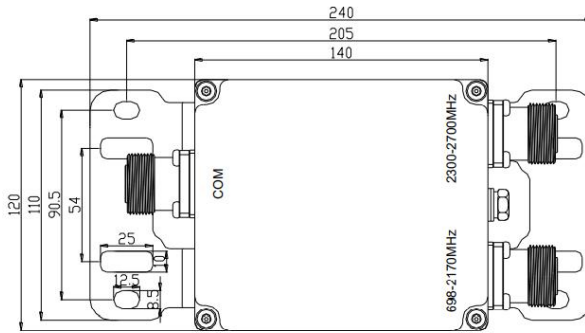
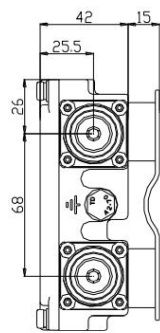
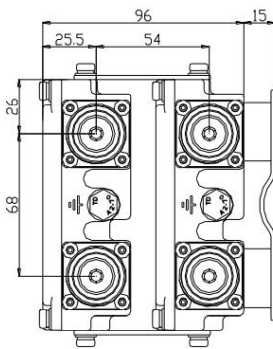
Electrical		
Frequency (MHz)	698-2700	3300-3800
Insertion Loss (dB)	≤0.5	
Isolation (dB)	≥60	
Return Loss/VSWR	≤-20dB/1.25	
PIM, 3rd Order (dBc)	≤ -155 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	140x120x42mm
Net weight (with installation kit) (kg)	≤1.4
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Diplexer Combiner (1710-2400)

Model: PVL201.02011724

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

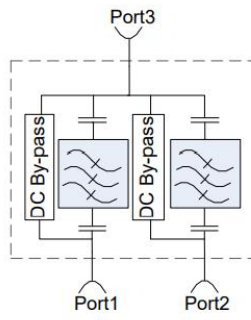


Technical Specifications:

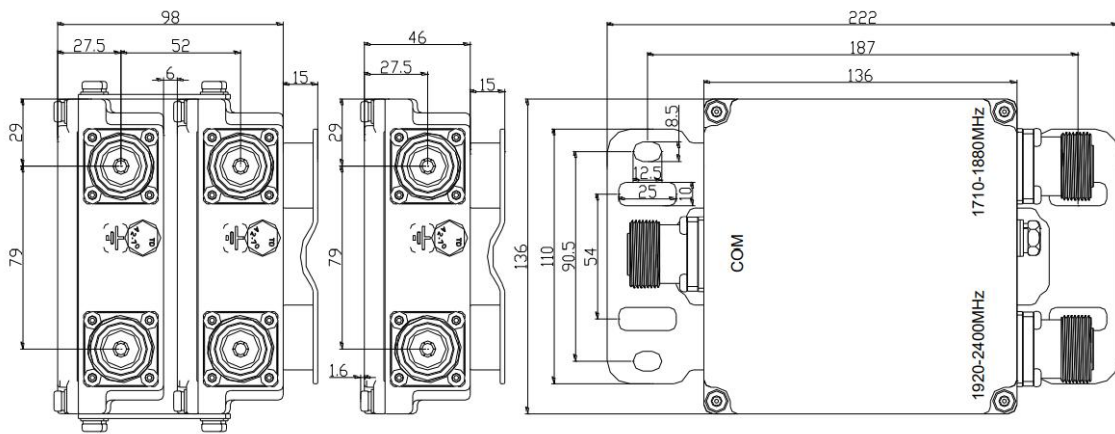
Electrical		
Frequency (MHz)	1710-1880	1920-2400
Insertion Loss (dB)	≤0.4	
Isolation (dB)	≥50	
Return Loss/VSWR	≤-20dB/1.22	
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	136x136x46mm
Net weight (with installation kit) (kg)	≤1.4
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Diplexer Combiner (1710-2700)

Model: PVL201.02011727

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

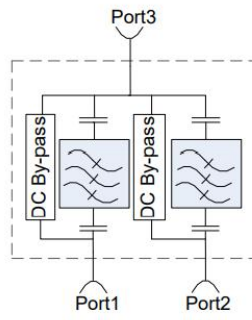


Technical Specifications:

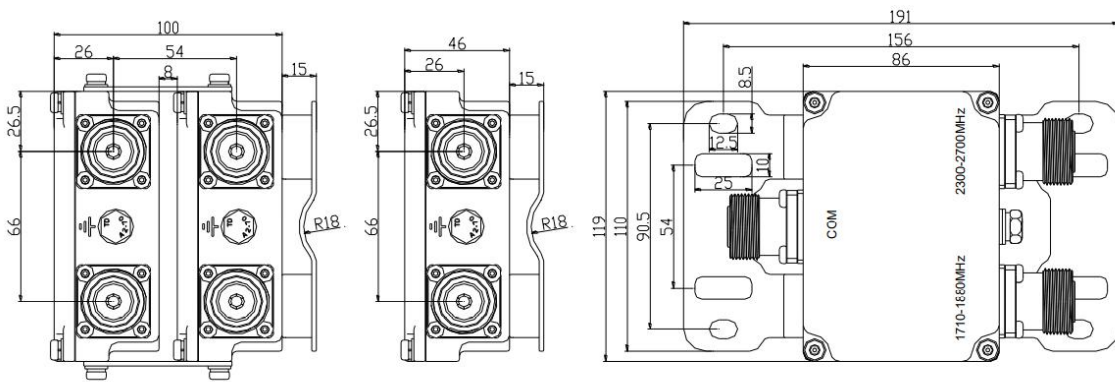
Electrical		
Frequency (MHz)	1710-1880	2300-2700
Insertion Loss (dB)	≤0.3	
Isolation (dB)	≥50	
Return Loss/VSWR	≤-20dB/1.22	
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	119x86x46mm
Net weight (with installation kit) (kg)	≤1.2
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Triplexer Combiner (698-2200)

Model: PVL201.03010622

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

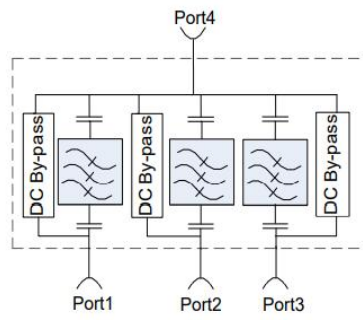


Technical Specifications:

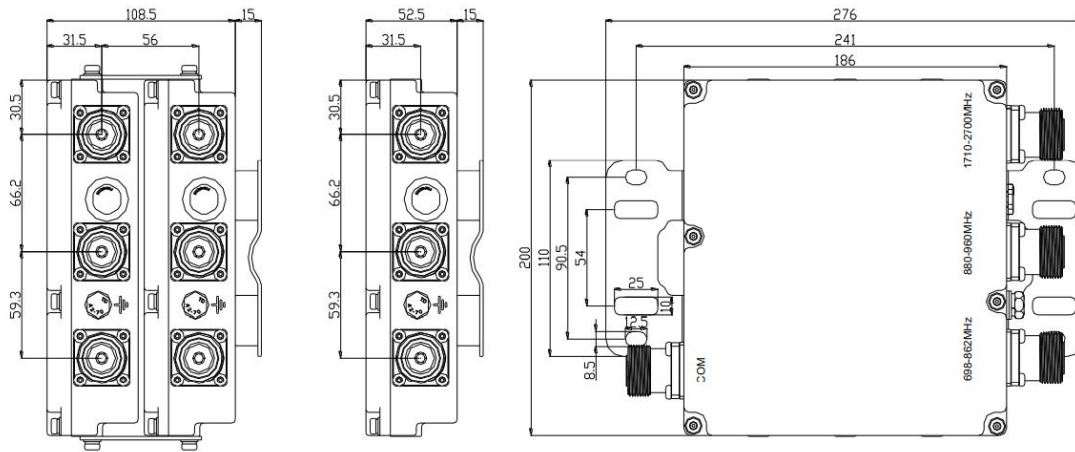
Electrical			
Frequency (MHz)	698-960	1695-1780/2110-2200	1850-2000
Insertion Loss (dB)	≤0.3		
Isolation (dB)	≥50		
Return Loss/VSWR	≤-20dB/1.22		
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)		
Average power, maximum (W)	200		
Impedance (Ω)	50		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350μs pulse		

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	200x186x52.5mm
Net weight (with installation kit) (kg)	≤3.3
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Triplexer Combiner (698-2700)

Model: PVL201.03010627

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

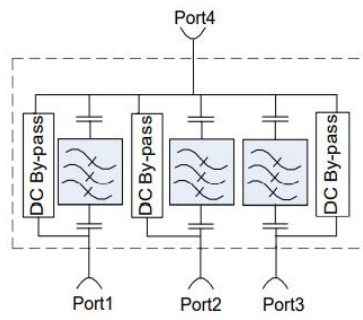


Technical Specifications:

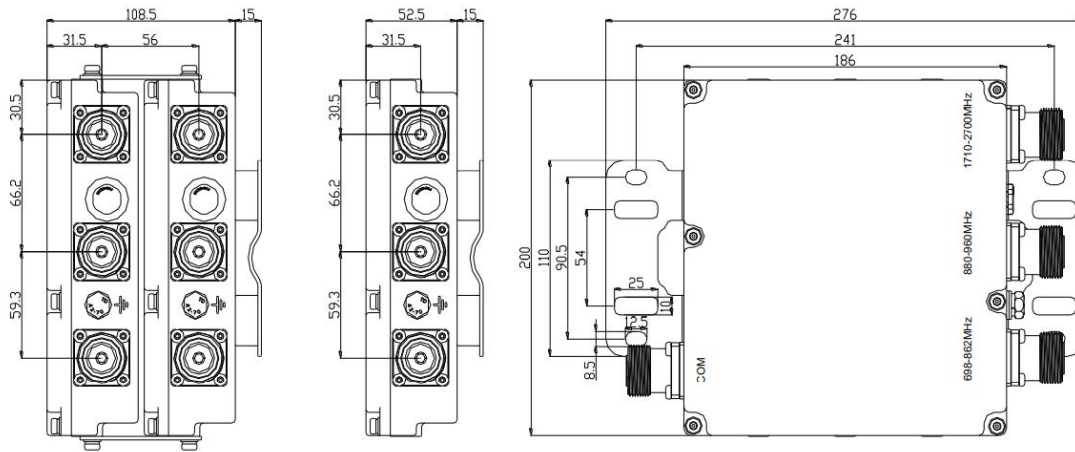
Electrical			
Frequency (MHz)	698-862	880-960	1710-2700
Insertion Loss (dB)	≤0.4		
Isolation (dB)	≥50		
Return Loss/VSWR	≤-20dB/1.22		
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)		
Average power, maximum (W)	200		
Impedance (Ω)	50		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350μs pulse		

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	200x186x52.5mm
Net weight (with installation kit) (kg)	≤3.3
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Triplexer Combiner (1710-2700)

Model: PVL201.03011727

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

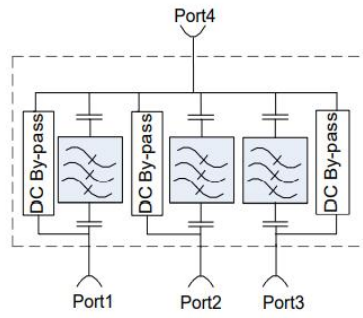


Technical Specifications:

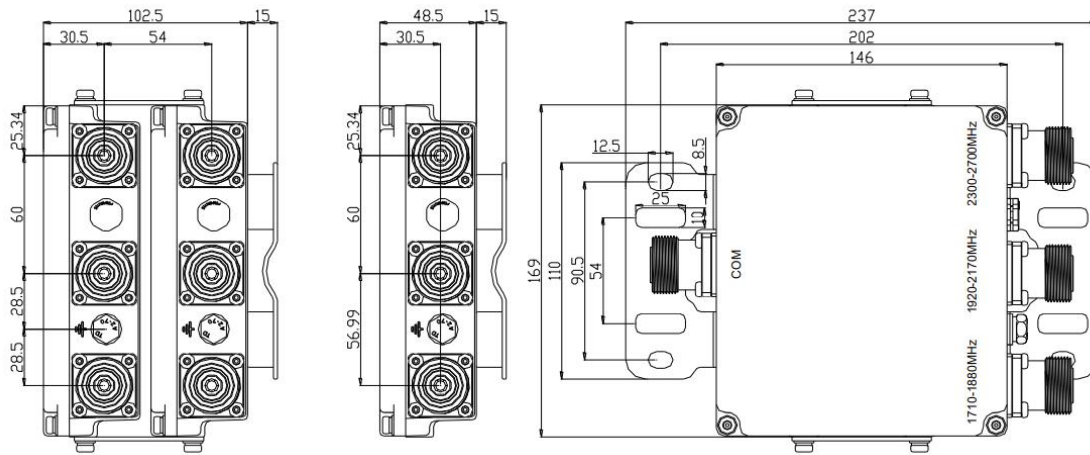
Electrical			
Frequency (MHz)	1710-1880	1920-2170	2300-2700
Insertion Loss (dB)	≤0.3		
Isolation (dB)	≥50		
Return Loss/VSWR	≤-20dB/1.22		
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)		
Average power, maximum (W)	200		
Impedance (Ω)	50		
DC/AISG	By-pass(max.3000mA)		
Lightning protection	10KA; 10/350μs pulse		

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	169x146x48.5mm
Net weight (with installation kit) (kg)	≤2.3
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Quadplexer Combiner (698-2700)

Model: PVL201.04010627

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

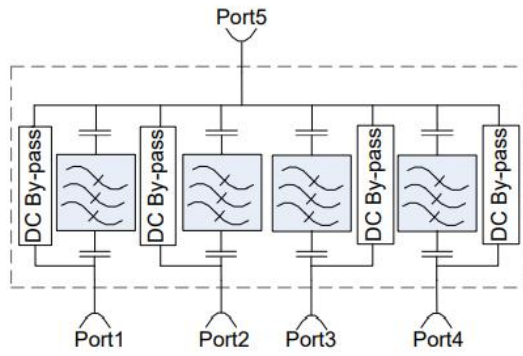


Technical Specifications:

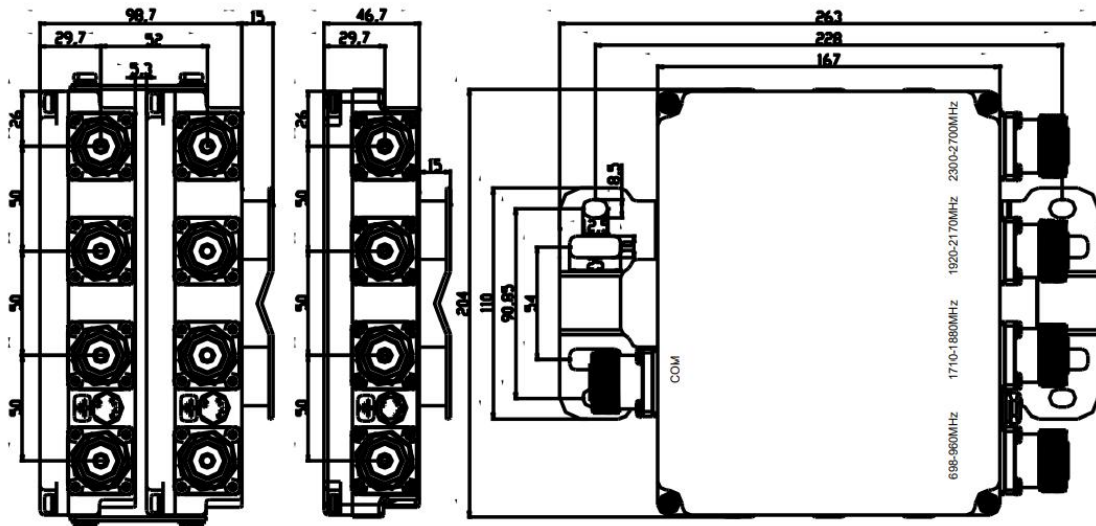
Electrical				
Frequency (MHz)	698-960	1710-1880	1920-2170	2300-2700
Insertion Loss (dB)	≤0.35			
Isolation (dB)	≥50			
Return Loss/VSWR	≤-20dB/1.22			
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)			
Average power, maximum (W)	200			
Impedance (Ω)	50			
DC/AISG	By-pass(max.3000mA)			
Lightning protection	10KA; 10/350μs pulse			

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	204x167x46.7mm
Net weight (with installation kit) (kg)	≤3
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Pentaplexer Combiner (694-2700)

Model: PVL201.05010627

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

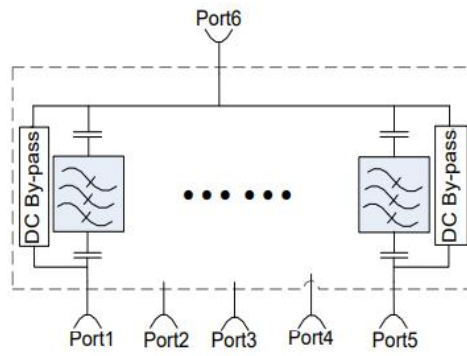


Technical Specifications:

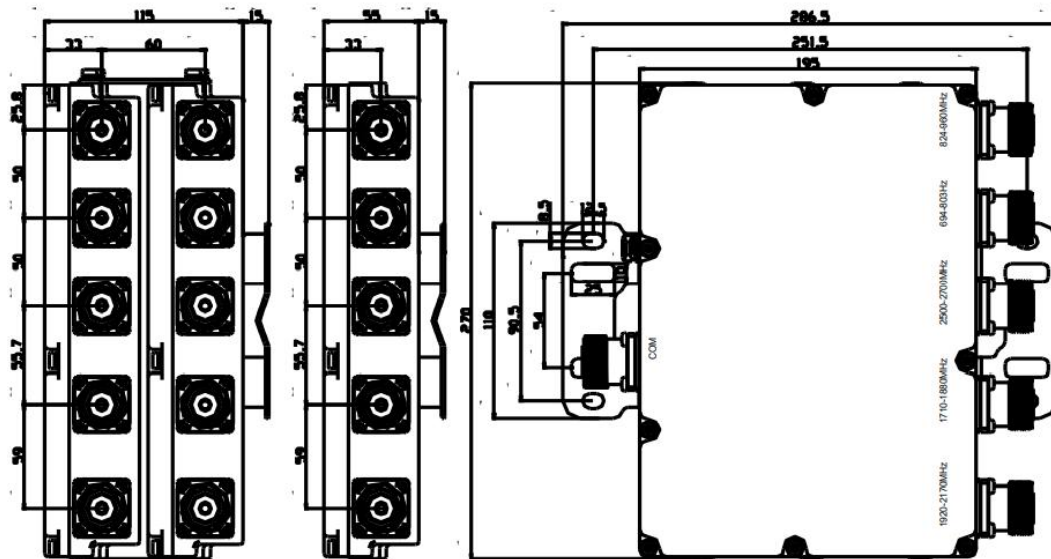
Electrical					
Frequency (MHz)	1920-2170	1710-1880	2500-2700	694-803	824-960
Insertion Loss (dB)	≤0.5				
Isolation (dB)	≥50				
Return Loss/VSWR	≤-20dB/1.22				
PIM, 3rd Order (dBc)	≤ -155 (2 x 43 dBm carrier)				
Average power, maximum (W)	200				
Impedance (Ω)	50				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	10KA; 10/350μs pulse				

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	270x195x55mm
Net weight (with installation kit) (kg)	≤4
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Pentaplexer Combiner (698-3800)

Model: PVL201.05010638

Product Features:

- 50 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

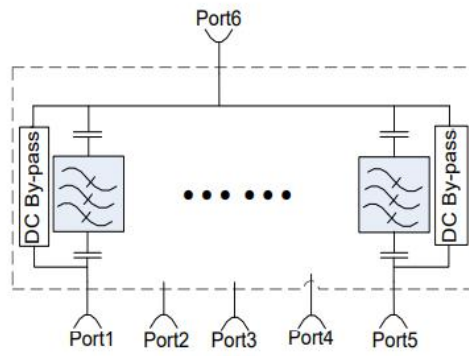


Technical Specifications:

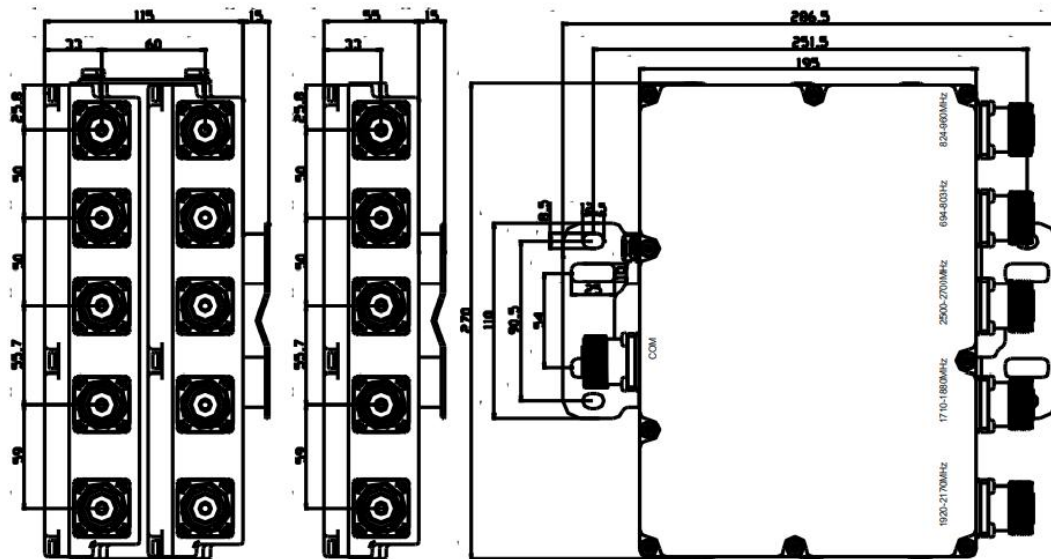
Electrical					
Frequency (MHz)	698-960	1710-1880	1920-2170	2300-2700	3300-3800
Insertion Loss (dB)	≤0.5				
Isolation (dB)	≥50				
Return Loss/VSWR	≤-20dB/1.25				
PIM, 3rd Order (dBc)	≤ -150 (2 x 43 dBm carrier)				
Average power, maximum (W)	200				
Impedance (Ω)	50				
DC/AISG	By-pass(max.3000mA)				
Lightning protection	10KA; 10/350μs pulse				

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	270x195x55mm
Net weight (with installation kit) (kg)	≤4
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Same Band Combiner (698-2700)

Model: PVL201.02010627

Product Features:

- 698-2700MHz
- Low VSWR
- Excellent intermodulation performance
- High stability

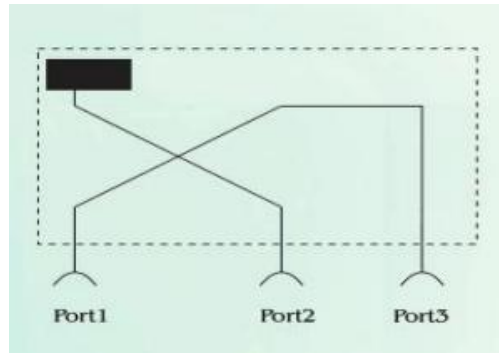


Technical Specifications:

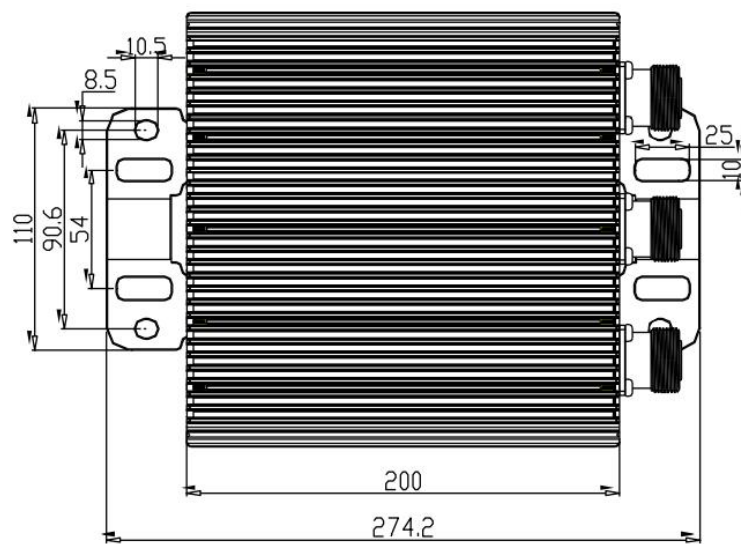
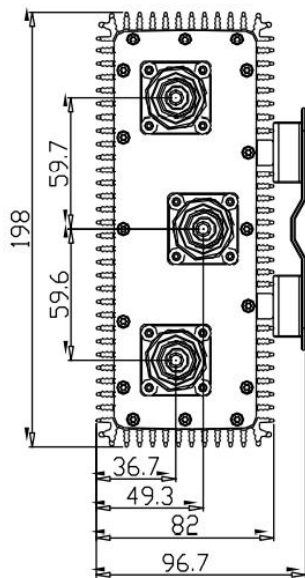
Electrical	
Frequency (MHz)	698-2700
Insertion Loss (dB)	≤3.5
Isolation (dB)	≥25
VSWR	1.25
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)
Average power, maximum (W)	200
Impedance (Ω)	50

Mechanical	
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	200x198x82mm
Net weight (with installation kit) (kg)	≤2.8
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Same Band Combiner (890.2-959.8)

Model: PVL201.02010809

Product Features:

- 30 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

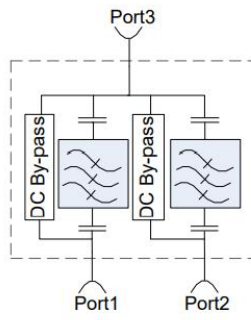


Technical Specifications:

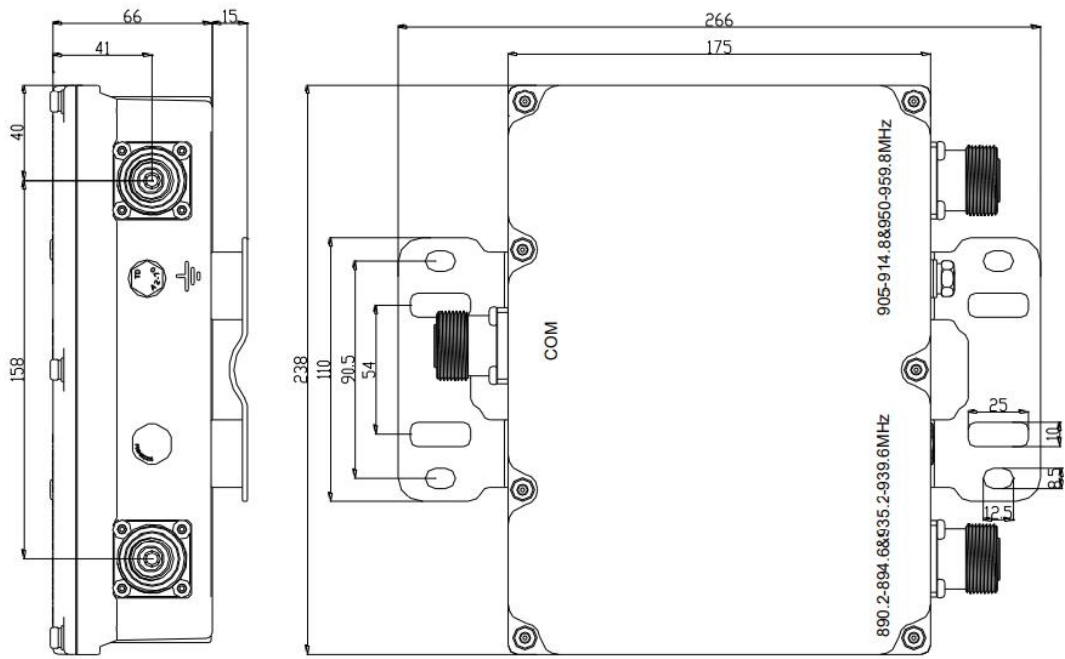
Electrical		
Frequency (MHz)	890.2-894.6/935.2-939.6	905-914.8/950-959.8
Insertion Loss (dB)	≤0.6	
Isolation (dB)	≥30	
Return Loss/VSWR	≤-20dB/1.22	
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass(max.3000mA)	
Lightning protection	10KA; 10/350μs pulse	

Mechanical	
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	238x175x66mm
Net weight (with installation kit) (kg)	≤2.8
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:



Same Band Combiner (1720-2170)

Model: PVL201.02011721

Product Features:

- 30 dB input isolation
- Very low insertion loss
- Excellent intermodulation performance
- Built-in lightning protection
- Wall or mast mounting

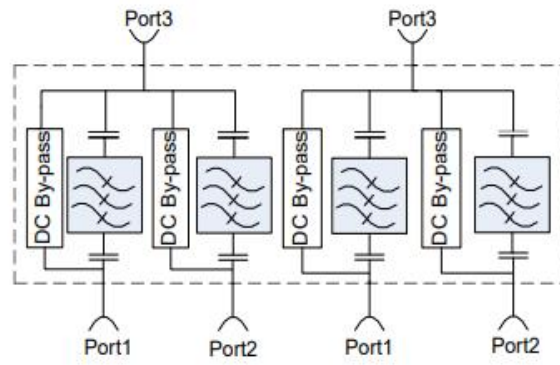


Technical Specifications:

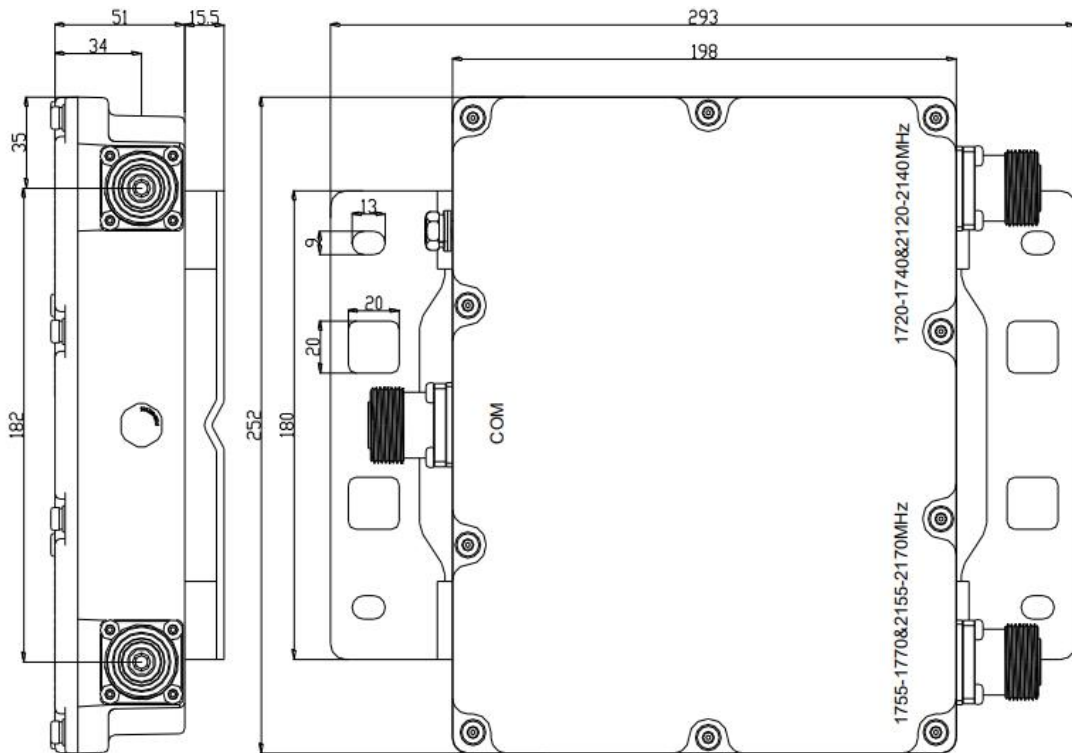
Electrical		
Frequency (MHz)	1720-1740&2120-2140	1755-1770&2155-2170
Insertion Loss (dB)	≤0.4	
Isolation (dB)	≥30	
Return loss/VSWR	≤-20 dB/1.22	
PIM, 3rd Order (dBc)	≤ -160 (2 x 43 dBm carrier)	
Average power, maximum (W)	200	
Impedance (Ω)	50	
DC/AISG	By-pass (max. 3000mA)	
Lightning protection	10KA; 10/350μs pulse	

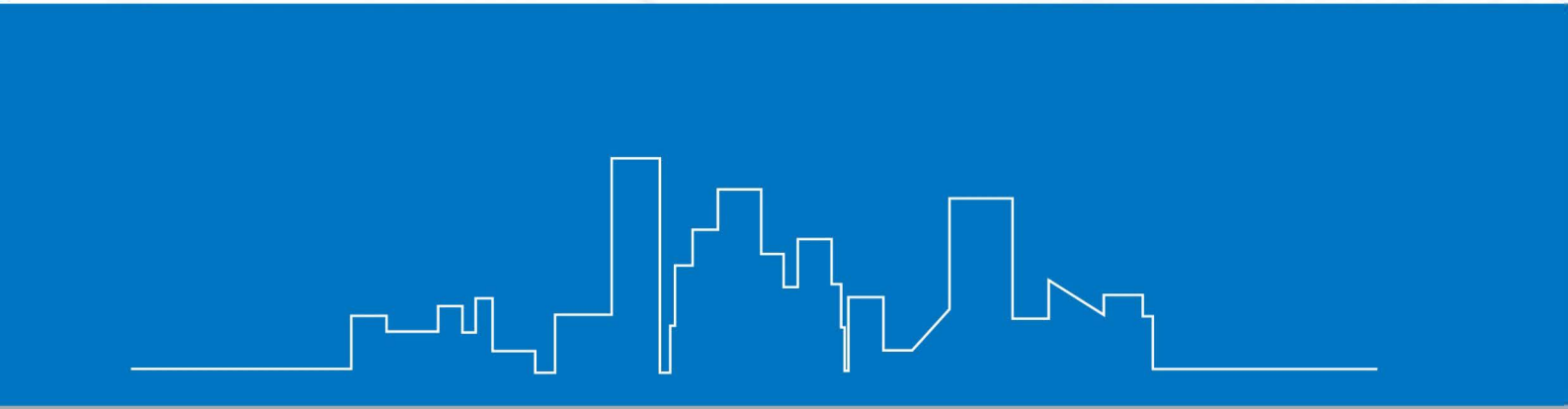
Mechanical	
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +85°C
Relative humidity	5% - 95%
Classification of waterproof	IP67
Dimensions (H x W x D) (mm)	252x198x51mm
Net weight (with installation kit) (kg)	≤4
Connector	Din-Female/4.3-10 Female

Schematic Diagram



Outline Drawing:





seisen