

## Highlights

- Integrated structure design: Filter is milled from one solid piece and has no soldered parts, guaranteeing superior electrical performance.
- Lower PIM, lower insertion loss, higher isolation, and higher power handling capacity.
- Differentiated DC block and DC bypass allow full compatibility with requiring TMAs.
- IP67 protection ensures stable performance in any environment.
- Compact design, easy installation.
- Lifetime warranty.



## ELECTRICAL SPECIFICATIONS

Models	Q3917181921242750S (Single Unit) Q3917181921242750D (Double Unit)	Q3917181921242755S (Single Unit) Q3917181921242755D (Double Unit)
Frequency	380–960MHz/1710–1880MHz/1920–2170MHz/2400–2700MHz	
Intermodulation	≤-150dBc (IMD3 with 2×20W)	≤-155dBc (IMD3 with 2×20W)
Insertion Loss	≤0.4dB	
Isolation	≥50dB	
VSWR	≤1.25	
Impedance	50Ω	
Power Handling	300w Average/380–960MHz/1710–1880MHz/1920–2170MHz 200w Average/2400–2700MHz	
DC Bypass/AISG	MAX 2500mA	
Lightning Protection	3KA; 10/350μs Pulse	
MTBF	≥500,000h	

## ENVIRONMENT SPECIFICATIONS

Operating Temperature	-20°C to +60°C   -4°F to +140°F
Storage Temperature	-40°C to +85°C   -40°F to +185°F
Relative Humidity	Up to 95%
Application	Indoor or Outdoor (IP67)

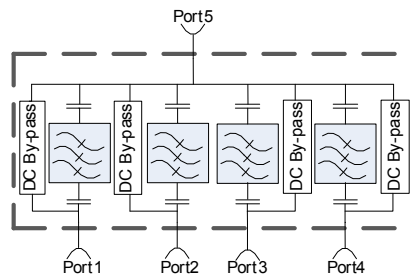
## MECHANICAL SPECIFICATIONS

Color	Gray
Connectors	DIN-Female (Long Neck)
Weight	4Kg   8.8lb/Single Unit                      8Kg   17.6lb/Double Unit
Dimensions	238*200*52mm   9.37*7.87*2.04in/Single Unit 238*200*106mm   9.37*7.87*4.17in/Double Unit

## ORDER INFORMATION

Single Unit	Double Unit	PIM and DC Bypass Ports
Q3917181921242750S	Q3917181921242750D	-150dBc, DC Bypass @None
Q3917181921242755S	Q3917181921242755D	-155dBc, DC Bypass @None
Q3917181921242750S-1	Q3917181921242750D-1	-150dBc, DC Bypass @380-960MHz
Q3917181921242755S-1	Q3917181921242755D-1	-155dBc, DC Bypass @380-960MHz
Q3917181921242750S-2	Q3917181921242750D-2	-150dBc, DC Bypass @1710-1880MHz
Q3917181921242755S-2	Q3917181921242755D-2	-155dBc, DC Bypass @1710-1880MHz
Q3917181921242750S-3	Q3917181921242750D-3	-150dBc, DC Bypass @1920-2170MHz
Q3917181921242755S-3	Q3917181921242755D-3	-155dBc, DC Bypass @1920-2170MHz
Q3917181921242750S-4	Q3917181921242750D-4	-150dBc, DC Bypass @2400-2700MHz
Q3917181921242755S-4	Q3917181921242755D-4	-155dBc, DC Bypass @2400-2700MHz
Q3917181921242750S-1234	Q3917181921242750D-1234	-150dBc, DC Bypass @All Ports
Q3917181921242755S-1234	Q3917181921242755D-1234	-155dBc, DC Bypass @All Ports

## Block Diagram



## Outline Drawing

