

**PRELIMINARY DATASHEET**
**Key Features**

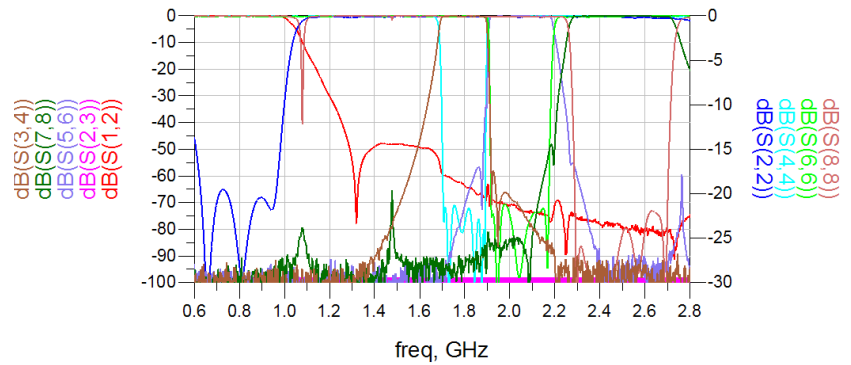
- Designed for multi-band co-located sites.
- Low insertion loss.
- DC and AISG Issue 2.0 pass thru on selected ports.
- Mounting on wall or on poles in various dimensions.
- Suitable for outdoor and indoor applications.


**Specifications**

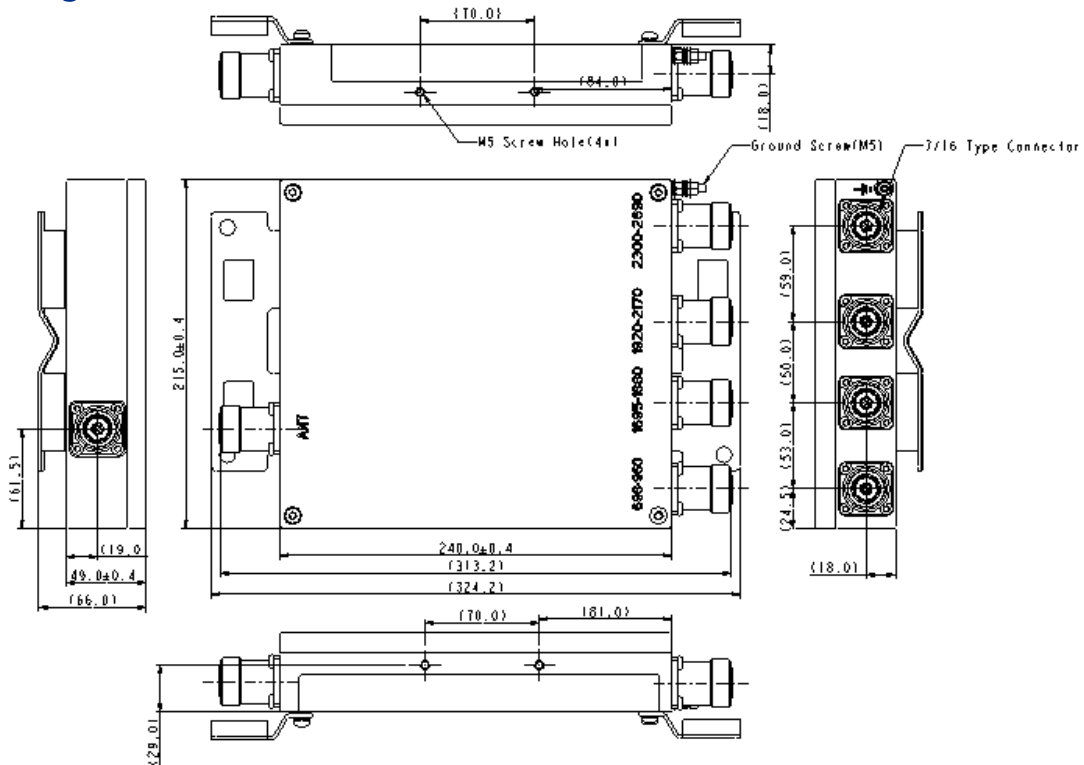
TECHNICAL				
Pass band [MHz]	698 - 960	1710 - 1880	1920 - 2170	2300 - 2690
Insertion Loss	0.25dB typical, 0.4dB max.	0.4dB typical, 0.5dB max.	0.4dB typical, 0.5dB max.	0.4dB typical, 0.5dB max.
Impedance	50ohms			
VSWR / Return Loss	1.29 / -18dB min., all ports			
Isolation Between Channels	50dB min.			
Input Power Per Channels	250W max., average			
Passive Intermodulation	< -113dBm typical, -110dBm max., for two tones at downlink band, at 20W each			
DC/AISG				
Connection	Factory configurable see ordering information for details			
Max Current	2A continuous, 4A peak			
Max Voltage	± 33V max.			
OOK Signal Insertion Loss (2.176 MHz)	0.8dB max.			
OOK Signal Return Loss (2.176 MHz)	12dB min.			
ENVIRONMENTAL				
Environmental Rating	ETSI EN 300 019 class 4.1			
Ingress Protection	IP67			
Lightning Protection	±5kA, 8/20µs			
Operating Temperature	-33°C ~ +65°C			
Altitude	2000 meter max			
MTBF	>500,000 hours			
EMC	ETS 300 342-3			
MECHANICAL				
Dimensions (H x W x D)	215 x 240 x 50mm, single unit			
	215 x 240 x 66.5mm, single unit with bracket			
	215 x 240 x 121.5mm, double units with bracket			
Weight	4.6kg (10.1 lb) max., single unit			
	4.9kg (10.8 lb) max., single unit with bracket			
	9.6kg (20.9 lb) max., double units with bracket			
Surface Treatment	Powder coating, color RAL 7035			
Bracket	Stainless steel 304			
Mounting	Pole/wall bracket for 46 mm min diameter poles			
Protection Ground	M5 screw (SS 304)			
Connector Type	DIN 7/16 female, long barrel			

PRODUCT VARIANT: PXC038-xyz	
x	Single = A Dual = B
y	No bracket = 0 Bracket = 1
zzzz	(1=DC pass, 0=DC block) DC all pass = 1111 DC all block = 0000 DC pass 698-960= 1000 DC pass 698-960MHz&1710-1880MHz = 1100 DC pass 698-960MHz&1920-2170MHz = 1010 DC pass 698-960MHz&2300-2690MHz = 1001 DC pass 1710-1880 MHz = 0100 DC pass 1710-1880MHz&1920-2170MHz = 0110 DC pass 1710-1880MHz&2300-2690MHz = 0101 DC pass 1920-2170 MHz = 0010 DC pass 1920-2170 MHz&2300-2690MHz = 0011 DC pass 2300-2690 MHz = 0001 DC block 698-806MHz = 0111 DC block 1710-1880 MHz = 1011 DC block 1920-2170 MHz = 1101 DC block 2300-2690 MHz = 1110

### Test Curve



### Outline Drawing



All specifications are subject to change without notice. Visit [www.filtronic.com](http://www.filtronic.com) for the most current datasheets.

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Revised: 07 June 2018

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