

Comblne Band-Pass Filter for the 2.3 - 2.6 GHz Band

DESCRIPTION

- The BPF-WiMAX 2.3-2.6/5-1x2 is a 5-resonator, cavity band-pass filter specially designed for WiMAX applications and other wireless area network systems.
- The WiMAX cavity filter is able to cover 2.3 to 2.6 GHz frequency range.
- A bandwidth of 30 MHz.
- Insertion loss of less than 0.8 dB on the passband edges.
- More than 25 dB attenuation just 20 MHz from the passband.
- The BPF-WiMAX 2.3-2.6/5-1x2 housing is made of silver-plated aluminium.
- Careful design and choice of materials ensure a long lifetime and reliable operation over a wide temperature range.



SPECIFICATIONS

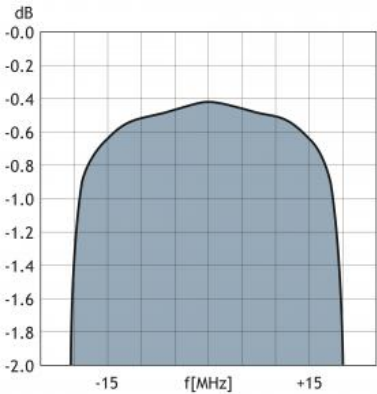
Electrical		
Model	BPF-WiMAX 2.3-2.6/5-1x2	
Filter Type	Combine band-pass filter	
Frequency	To be stated within 2.3 - 2.6 GHz	
Max. Input Power	100 W	
Pass Range Width	30 MHz (others on request)	
Insertion Loss	≤ 0.8 dB, typ. 0.7 dB	
Impedance	50 Ω	
Reject Attenuation	+/- 35 MHz rel. fc: > 25 dB +/- 80 MHz rel. fc: > 40 dB	See curves
VSWR	< 1.3:1	
Mechanical		
Connection(s)	N(f)	
Dimensions	289 x 50 x 40 mm (without conn.) / 11.37 x 1.97 x 1.57 in.	
Weight	Approx. 1.0 kg / 2.20 lb.	
Environmental		
Operating Temperature Range	-30°C to +60°C	
Frequency Stability	Approx. 3.5 MHz drift	

ORDERING

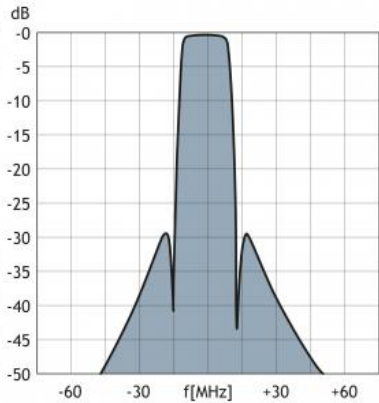
Model	Product No.
BPF-WiMAX 2.3-2.6/5-1x2	Contact for availability

DIAGRAM

TYPICAL CURVE FOR INSERTION LOSS



TYPICAL RESPONSE CURVE



TYPICAL CURVE FOR BPF-WiMAX 2.5/5-1x2

