

DUAL 10 MHz WiMAX BANDPASS FILTER



Data Sheet

Product Description

Dual 10 MHz WiMax Bandpass Filter can tune over the whole band, center frequencies from 2495 MHz to 2705 MHz. Can be used either for base station or pole mounted applications. Designed to mount on either wall or 2-4" diameter pole. Environmentally sealed. AISG by-pass functionality option. Dual Bandpass Filters also available in bandwidths from 5 to 10 MHz.

Typical Performance

Filter Path	Specification	Typical
Center Frequency Range	2495-2705 MHz	
Pass band Range	Center Frequency +/- 5MHz	
Insertion Loss	1.5 dB	1.3 dB
Loss Variation	0.8 dB	0.6 dB
Rejection		
Center Frequency +/-6.5 MHz	20 dB	24 dB
Center Frequency +/- 8 MHz	25 dB	27 dB
Center Frequency +/-15 MHz	45 dB	47 dB
Return Loss	18.0 dB	20.0 dB
<i>AISG by-pass functionality</i> <i>The Filter can be configured with AISG pass through from Base Station</i>		
Power Handling		
Input power port	200 Watts	
Mechanical		
Dimensions (H x W x D)	(see outline)	
Weight	3.5 kg	
RF connector type	7/16 female	
Environmental classification	IP66	
Environmental		
Operating temperature	-40°+/-75°C	
Lightning protection in accordance with IC 801-5 and IEC 61312		
MTBF	1,500 000 hours	

