



# 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. Sample data for center frequency 2667 MHz. Can be either for base station or pole mounted applications. Designed to mount on either wall or 2-4" diameter pole. Optional case is environmentally sealed. AISG by-pass functionality option. Dual Bandpass Filters also available in bandwidths from 5 to 30 MHz.

### Typical Performance

#### Filter Path

	SPECIFICATION	TYPICAL
Center Frequency Range	2495 - 2705 MHz	
Passband Range	Center Frequency +/- 5 MHz	
Insertion Loss	1.5 dB	1.2 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

#### AISG by-pass functionality

the filter can be configured with AISG passthrough from Base station

#### POWER HANDLING

Input power port: 200 Watts

#### MECHANICAL

Dimensions (H x W x D) (see outline)  
 Weight 9 Kg max  
 RF connector type 7/16 female

#### ENVIRONMENTAL

Operating temperature -40° +/- 75°C  
 Lightning protection in accordance with IEC 801-5 and IEC 61312  
 MTBF 1,500 000 hours

