

12 & 18 GHz AML Microwave Bandpass Filters

Bandpass For Transmit & Receive



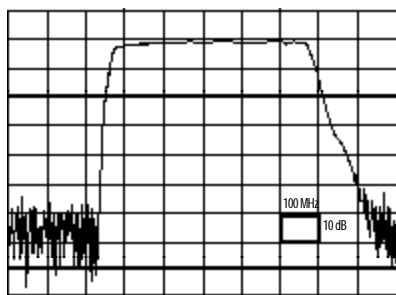
8019



9086



10330



Typical Frequency Response of 10330

8019, 9086, 10417 & 10330 Series

These bandpass filters provide excellent out-of-band suppression with low loss for the 12 & 18 GHz bands. The receive filters, models 8019 and 10417, provide low loss and a symmetrical rejection response for interference free reception and improved signal to noise ratios. The transmit filters, models 9086 and 10330, are enhanced to provide additional attenuation for local oscillator interference. Plated Invar construction provides low loss and temperature stability. A notch filter can be custom made to place additional attenuation at any spot frequency.

12 GHz		
Model No.:	Receive 8019	Transmit 9086
Passband (GHz):	12.7-13.2	12.7-13.2
Insertion Loss:		
@ Center Frequency:	1.5 dB Max	1.5 dB Max
@ Band edges (Relative to Fo):	1.0 dB Max	1.0 dB Max
VSWR:	1.5:1 Max	1.5:1 Max
Rejection (typical):		
30 dB bandwidth (MHz)	850	----
50 dB bandwidth (MHz)	----	700
80 dB Notch	----	@12.646

18 GHz		
Model No.:	Receive 10417	Transmit 10330
Passband (GHz):	18.142-18.574	18.142-18.574
Insertion Loss:		
@ Center Frequency:	1.0 dB Max	1.0 dB Max
@ Band edges:	2.5 dB Max	2.5 dB Max
VSWR:	1.5:1 Max	1.5:1 Max
Rejection (typical):		
30 dB bandwidth (MHz)	625	----
50 dB bandwidth (MHz)	----	700
80 dB Notch	----	@18.088 GHz

Mechanical Specifications:

8019 Dimensions: 8"L x 1.6"H approx
 10417 Dimensions: 7.5"L x 1.4"H approx
 10330 Dimensions: 10"L x 1.4"H approx
 9086 Dimensions: 13.3"L x 1.6"H approx
 Connectors: 50 ohms - Type "SMA"

T/R/O
PRODUCTS