



# SDARS Bandpass Filter (Full Band)

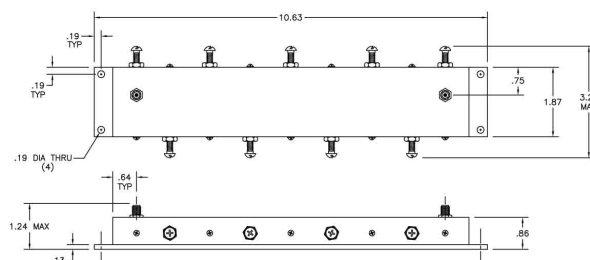
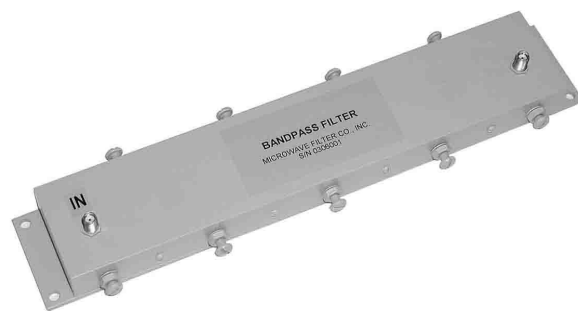
## Series 18782

This highly-selective bandpass filter ensures clean reception of the entire SDARS (2.3 GHz) band by suppressing potential interference from these nearby wireless bands:

- ISM (2.4 GHz)
- GSM (1900 MHz)
- AWS (1700/2100 MHz)
- BRS-EBS (2.5 GHz)

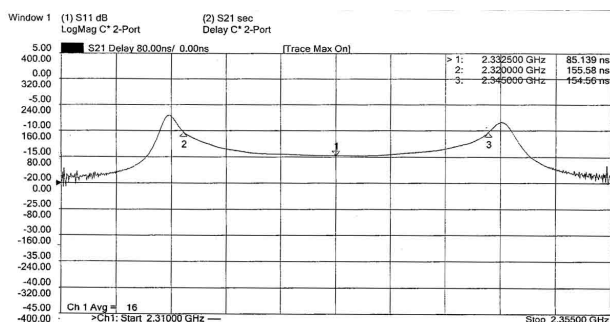
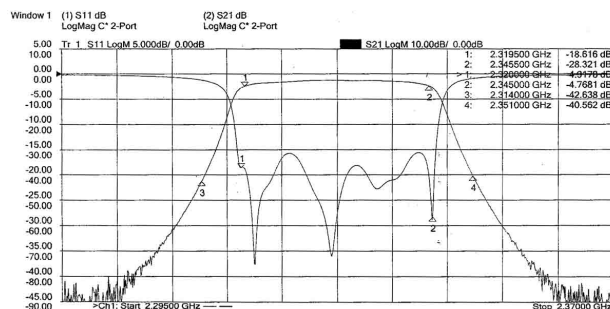
### Application:

Sirius XM Radio Wireless Systems (In Building)



### Specifications:

Passband:	2320-2345 MHz
Passband Insertion Loss:	5.0 dB Typ except 6.5 dB Typ @ Temp Extremes
Passband Ripple:	1.3 dB Max
Passband Return Loss:	14 dB Min
Passband Delay:	70 nS Typ except
Variation:	150 nS Max @ Temp Extremes
Rejection:	75 dB Min from DC to 2300 MHz 35 dB Min @ 2314 MHz 35 dB Min @ 2351 MHz 75 dB Min from 2400 - 2700 MHz
Impedance:	50 ohms
Connectors:	SMA-female
Operating Temp. Range:	10°C to 50°C
Storage Temp. Range:	40°C to 85°C
Humidity:	0-95% RH, Non-Condensing
Dimensions:	10.63" x 3.25" x 1.24" (270mm x 83mm x 31mm)



Delay Variation

**MICROWAVE FILTER CO., INC.**  
 6743 KINNE STREET, E. SYRACUSE, NY 13057  
 E-Mail: [mfcsales@microwavefilter.com](mailto:mfcsales@microwavefilter.com)

800-448-1666 • 315-438-4700  
 Web: [www.microwavefilter.com](http://www.microwavefilter.com)