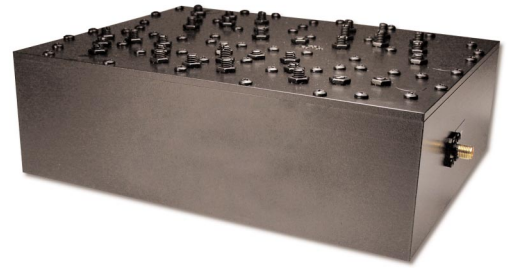


WSD-00357 & WSD-00359 SMR & ESMR/Public Safety Duplexers

◆ Features:

- Two Bandwidths Available:
WSD-00357 (15 MHz)
WSD-00359 (18 MHz)
- Highly Selective Bandpass Response for Both High & Low Channels:
LOW Channel:
- >25 dB @ 824 MHz for WSD-00357 (AMPS A-band Uplink)
- >20 dB @ 825 MHz for WSD-00359 (AMPS A-band Uplink)
HIGH Channel:
- >20 dB @ 849 MHz for WSD-00357 (AMPS B-band Uplink)
- >30 dB @ 869 MHz for WSD-00357 (AMPS A-band Downlink)
- >25 dB @ 849 MHz for WSD-00359 (AMPS B-band Uplink)
- >20 dB @ 870.5 MHz for WSD-00359 (AMPS A-band Downlink)
- High Isolation:
75 dB min. Extends to Low Band UHF thru High Band UHF
- Compact Dimensions: 7.5" x 6.0" x 2.75" (excluding connectors)



◆ Specifications:

WSD-00357 Passbands:		Passband Insertion Loss:	
LOW:	806 - 821 MHz	WSD-00357:	2.0 dB max.
HIGH:	851 - 866 MHz	WSD-00359:	4.0 dB max.
WSD-00359 Passbands:		Passband Amplitude Flatness:	
LOW:	806 - 824 MHz	WSD-00357:	1.4 dB p-p max.
HIGH:	851 - 869 MHz	WSD-00359:	3.5 dB p-p max.
		Passband Return Loss:	15 dB min.

Low Channel Rejection

	<u>20 db min.</u>	<u>25 db min.</u>	<u>30 db min.</u>	<u>40 db min.</u>	<u>75 db min.</u>
WSD-00357	N/A	824 - 836 MHz	N/A	836 - 851 MHz 1000 - 1750 MHz	851 - 1000 MHz DC - 750 MHz
WSD-00359	825 - 837.5 MHz	N/A	N/A	837.5 - 851 MHz 1000 - 1750 MHz	851 - 1000 MHz DC - 770 MHz

High Channel Rejection

	<u>20 db min.</u>	<u>25 db min.</u>	<u>30 db min.</u>	<u>40 db min.</u>	<u>75 db min.</u>
WSD-00357	836 - 849 MHz	N/A	869 - 890 MHz	821 - 836 MHz 1000 - 1750 MHz	890 - 1000 MHz DC - 821 MHz
WSD-00359	870.5 - 905 MHz	837.5 - 849 MHz	N/A	824 - 837.5 MHz 1000 - 1750 MHz	905 - 1000 MHz DC - 824 MHz

Filtering Solutions for Your Global Market

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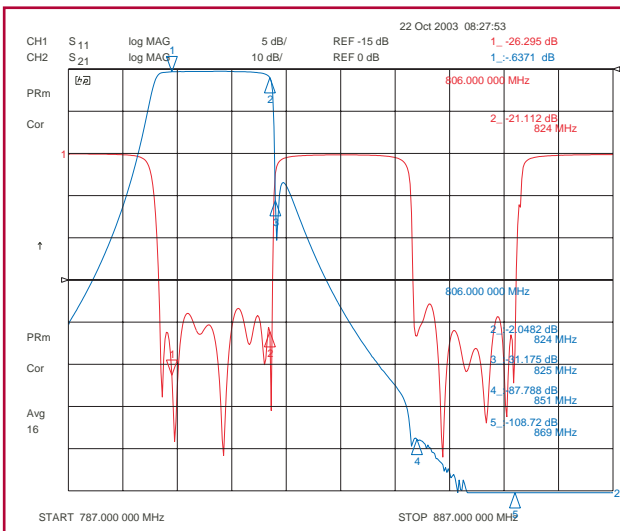


WSD-00357 & WSD-00359 SMR & ESMR/Public Safety Duplexers

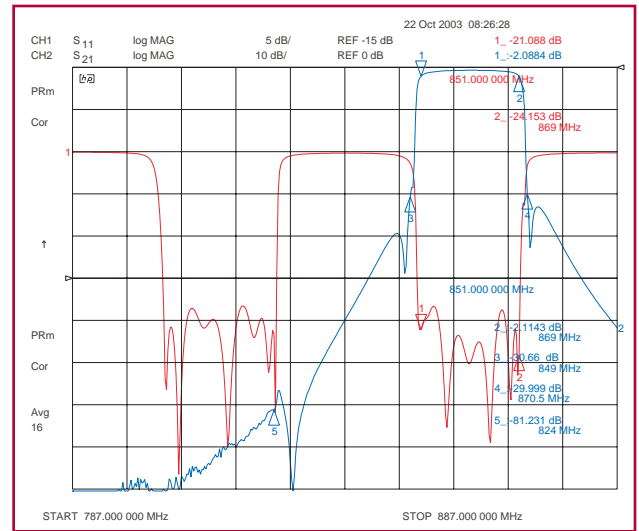
Isolation: DC - 1750 MHz:	75 dB min.	Dimensions:	7.5" x 6.0" x 2.75" (excluding connectors)
Passband Power Handling: WSD-00357:	20 watts CW; 200 watts peak instantaneous	Connectors:	SMA-F
WSD-00359:	5 watts CW; 50 watts peak instantaneous	Operating Temperature:	-30° - +60°C
		Storage Temperature:	-40° - 85° C
		Finish:	Shadow Black Paint

◆ Applications:

- iDEN or Public Safety Micro or Repeaters
 - Requiring High Adjacent Channel Selectivity
 - Requiring both iDEN and Public Safety Coexist on Same Antenna



WSD-00359 S₁₁ & S₂₂ Low Channel



WSD-00359 S₁₁ & S₂₂ High Channel



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