

WSD-00403 MMDS Duplexer

◆ Features:

- Fullband Coverage of MMDS Spectrum
- Low Loss – 0.6 dB Maximum
- High Rejection/Isolation – 80 dB Minimum
- High Transmit Power Handling



◆ Specifications:

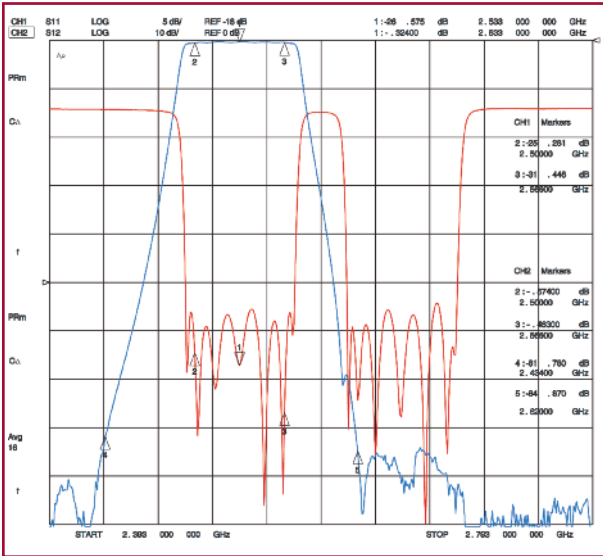
Receive Passband:	2500 to 2566 MHz	Characteristic Impedance:	50 ohms (in passbands)
Transmit Passband:	2620 to 2686 MHz	Dimensions:	7.72" L x 3.75" W x 2.85" H (excludes connectors)
Passband Insertion Loss:	0.60 dB max.	Connectors:	SMA-F, Gold plated
Passband Ripple:	0.40 dB p-p max.	Operating Temperature Range:	0° C to +70° C
Passband Return Loss:	15 dB min.	Operating Humidity:	0 to 90%, Non-condensing
Antenna-to-Rx Rejection		Storage Temperature Range:	-40° C to +85° C
DC to 2434 MHz:	-80 dBc min.	Finish:	-Silver plated finish
2620 to 5500 MHz:	-80 dBc min.		
Transmit-to-Antenna Rejection			
DC to 2566 MHz:	-80 dBc min.		
2752 to 5500 MHz:	-80 dBc min.		
Passband-to-Passband Isolation:	80 dB min.		
Transmit Passband Power Handling			
CW:	50 Watts		
Peak Instantaneous:	1000 Watts		

◆ Applications:

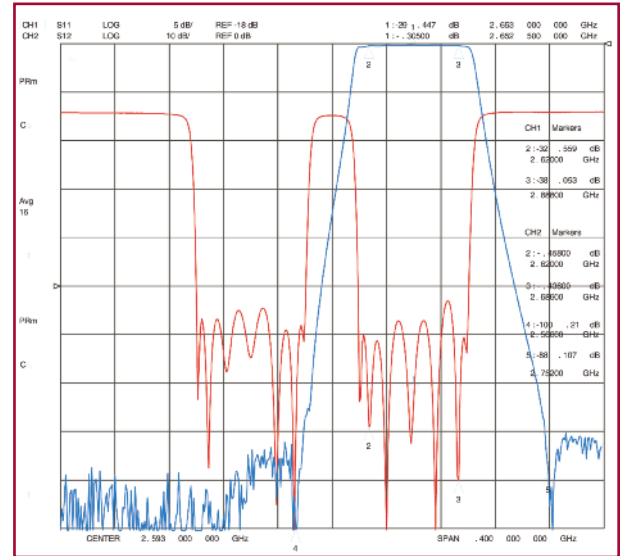
Multi-channel Multipoint Distribution Service (MMDS) Systems:

- Macro MMDS Broadband Wireless Access (BWA) Systems
- Repeater / In-Building Coverage Systems
- Compliance Testing / Test Stand Requirements

WSD-00403 MMDS Duplexer



S_{11} and S_{21} Tx Band Response



S_{11} and S_{21} Rx Band Response

◆ Outline Drawing:

