

WSF-00297 UMTS TX Channel Filter

◆ Features:

- Low Loss - 0.7 dB Typical
- High Adjacent Channel Rejection; -10 dBc Typical @ 875 KHz from Passband Band Edges
- Small Compact Size - Simple Mechanical Installation



◆ Specifications:

Center Frequency (f_0):	Factory Tunable 2110 to 2170 MHz (Customer to Specify)	Characteristic Impedance:	50 ohms (in passband)
Passband:	3.75 MHz	Dimensions:	4.0"W x 4.0"D x 2.4"H (excluding connectors)
Passband Insertion Loss:	1.0 dB max.	Connectors:	N-F
Passband Flatness:	0.55 dB max.	Operating Temperature Range:	-20°C to +60°C
Passband Group Delay Variation:	175 nS max.	Operating Humidity:	0 to 90%, non-condensing
Passband Return Loss:	14 dB min.	Storage Temperature Range:	-40°C to +85°C
Rejection:		Finish/Construction:	Silver plated aluminum
f_0 +/- 2.75 MHz:	-6 dBc min.	Mounting:	6-32 x 0.35" Deep tapped holes on mounting surface (x4)
f_0 +/- 20 MHz:	-27 dBc min.		
Passband Power Handling:			
CW:	40 watts		
Peak Instantaneous:	800 watts		

◆ Applications:

- Limits PA Spurious Emissions in Adjacent Channels
- UMTS Macro/Micro Cellular & Test Systems

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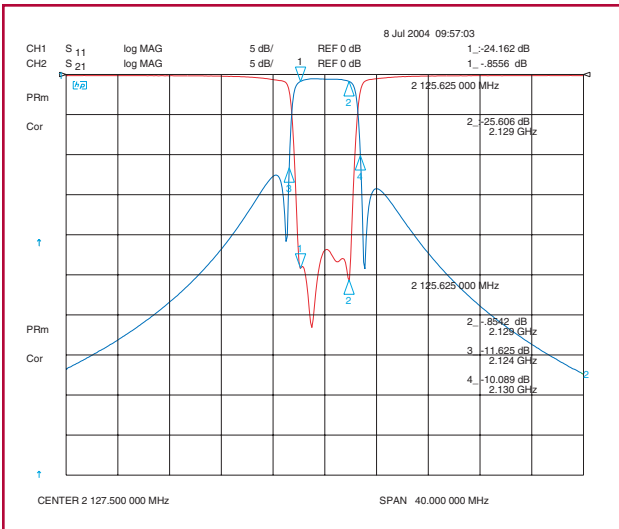
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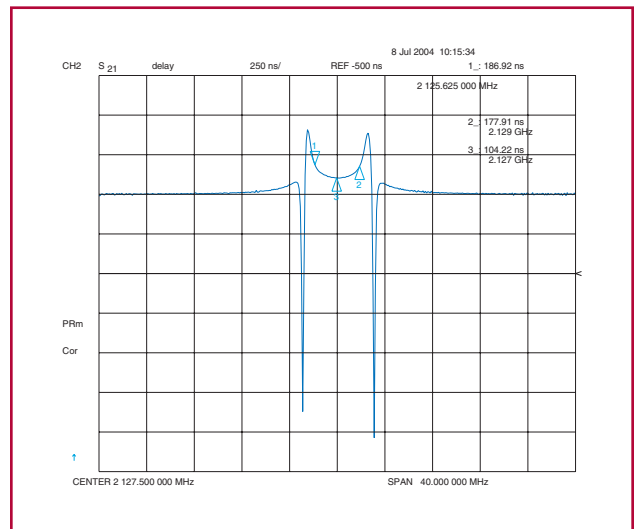
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S₁₁ & S₂₁ Passband/Rejection



S₂₁ Passband Group Delay

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