



MINATURE GSM DIPLEXER

Data Sheet

Full Band GSM Duplex Filter with Coupler

Product Description

Full Band GSM Duplex filter was designed for Ultra Low Cost, Low Intermodulation and Small Size.

Typical Performance

	Specification	Typical
RX Path		
Passband Range	880-915 MHz	
Insertion Loss	2.0 dB	1.8 dB
Loss variation	+/- 0.7 dB	+/-0.5 dB
Rejection in TX Band	60 dB	65 dB
Return Loss	16.0 dB	18.0 dB
TX Path		
Passband Range	925-960 MHz	
Insertion Loss	2.3 dB	2.1 dB
Loss variation	+/- 0.7 dB	+/-0.5 dB
Rejection in RX Band	80.0 dB	83.0 dB
Return Loss	16.0 dB	18.0 dB
TX- RX Isolation (DC - 3GHz)	-50 dB	-65.0 dB

COUPLER

30 dB coupler +/- 1.0 dB with 18 dB Directivity

POWER HANDLING

Input power on TX port:
Peak 20 Watts
Average 5 Watts

PASSIVE INTERMODULATION

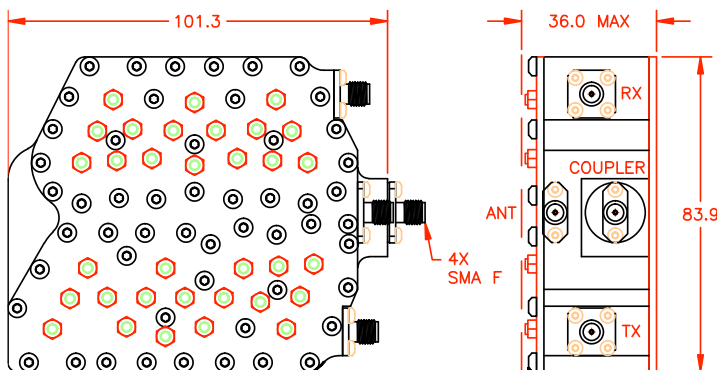
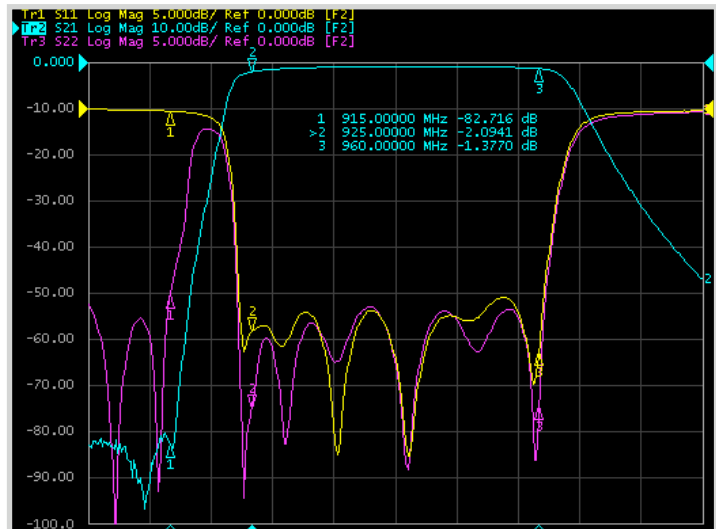
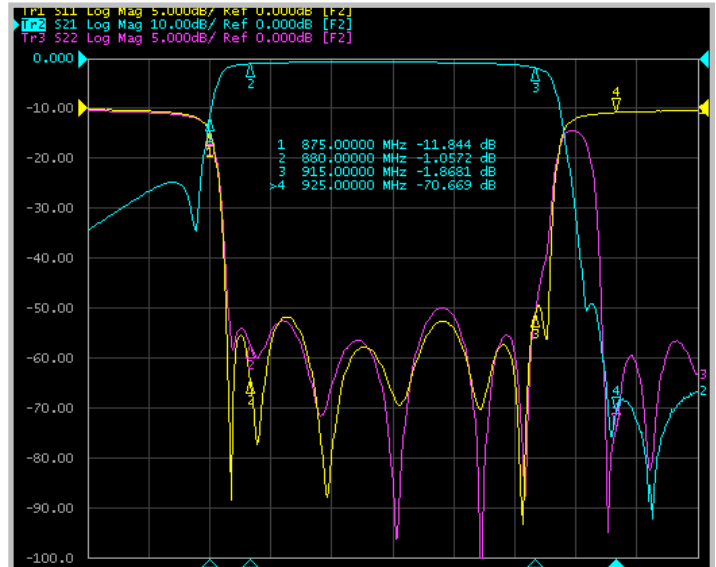
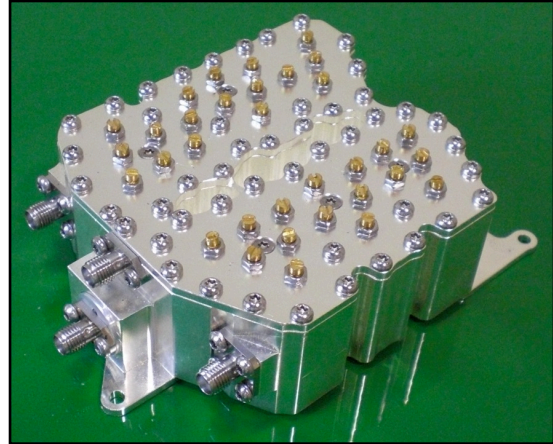
-115 dBm with 2 - 2 Watt tones

MECHANICAL

Dimensions (H x W x D) (see outline)
Weight 300g
RF connector type SMA female

ENVIRONMENTAL

Operating temperature -40° to +70°C
Lightning protection in accordance with IEC 801-5 and IEC 61312
MTBF 1,500,000 hours



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