

Typical Applications

- Duplexer for S-Band System
- Ground Radar applications
- Wireless Telecommunication systems

Main Features

- High Rejection
- Low insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Rush Delivery
- Customization available upon request

Electrical Specifications

Parameter	Unit	Specification
Channels		RX
RX Frequency Range	MHz	2500 - 2570
RX Insertion Loss	dB	0.8 typ. 1.2 max
RX Passband Ripple	dB	0.3 typ. 0.5 max
RX VSWR		1.25 : 1 typ. 1.30 : 1 max
RX Rejection	dB	70 min @ TX frequency range 2620 – 2690 MHz
Channels		TX
TX Frequency Range	MHz	2620 - 2690
TX Insertion Loss	dB	0.8 typ. 1.2 max
TX Passband Ripple	dB	0.3 typ. 0.65 max
TX VSWR		1.25 : 1 typ. 1.30 : 1 max
TX Rejection	dB	70 min @ RX frequency range 2500 – 2570 MHz
Average Power Rating	W	30 max
Peak Power Rating	W	300 max
In/Out Impedance	Ohm	50 nominal

Products and Product Information are Subject to Change Without Notice

Environment

Parameter	Unit	Specification
Operating Temperature	°C	-30°C to +60°C

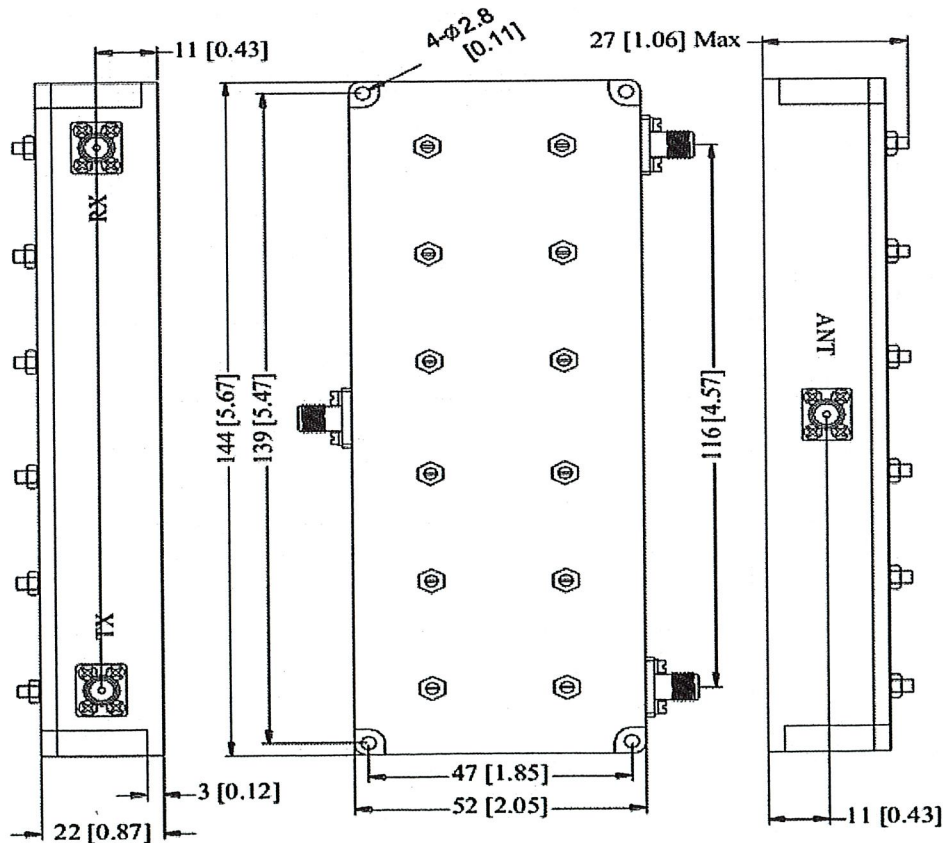
Mechanical Specifications

Parameter	Unit	Specification
RF Connector		SMA - Female
Material		Aluminum
Finish		Gray Paint

Outline drawing

All dimensions in mm [inches]

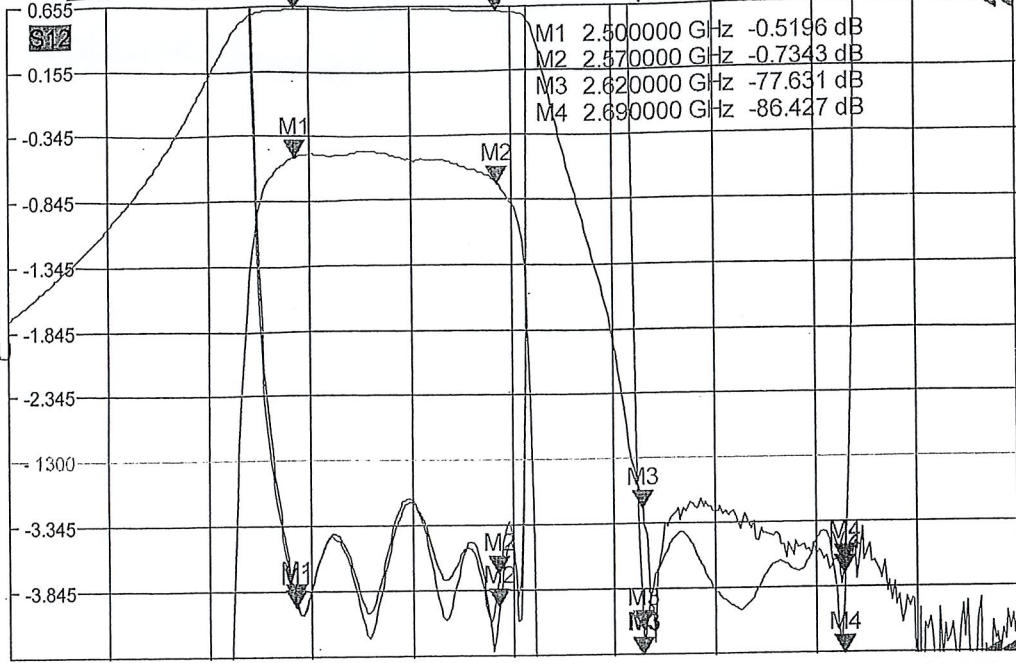
Tolerance +/- 0.3 [0.012]



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Trc1 S11 SWR 100 mU/ Ref 1 U Cal
 Trc3 S12 dB Mag 0.5 dB / Ref 0.655 dB Cal
 Trc4 S22 SWR 100 mU/ Ref 1 U Cal
 Trc5 S12 dB Mag 10 dB / Ref 0 dB Cal

1 (Max)

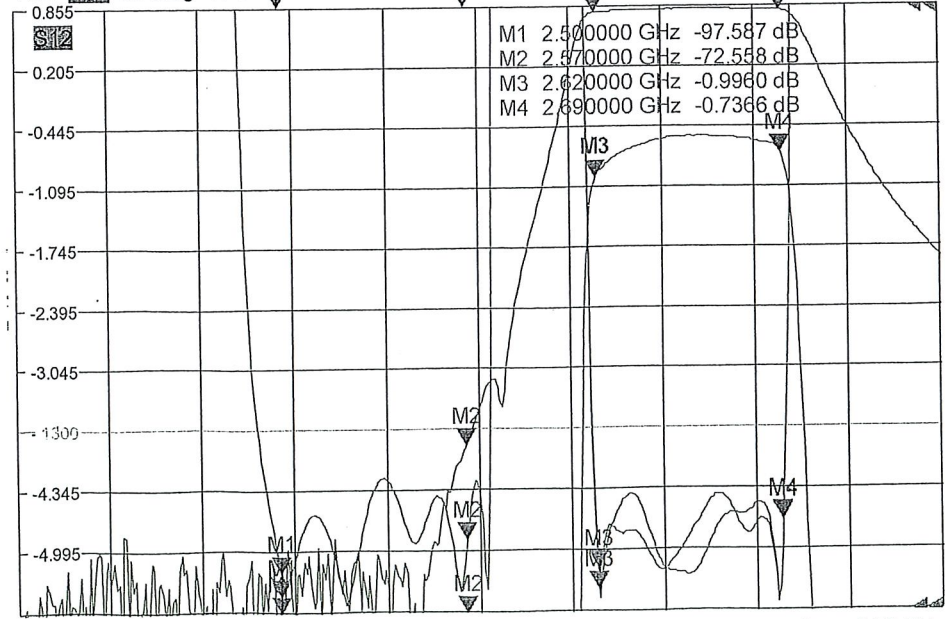


Ch1 fb Start 2.4 GHz Pb 0 dBm Stop 2.75 GHz

12/16/2015, 3:00 AM

Trc1 S11 SWR 100 mU/ Ref 1 U Cal
 Trc3 S12 dB Mag 0.65 dB / Ref 0.855 dB Cal
 Trc4 S22 SWR 100 mU/ Ref 1 U Cal
 Trc5 S12 dB Mag 10 dB / Ref 0 dB Cal

1 (Max)



Ch1 fb Start 2.4 GHz Pb 0 dBm Stop 2.75 GHz

12/16/2015, 2:59 AM