

# WiMAX Cavity Filter w/ 100 MHz Bandwidth

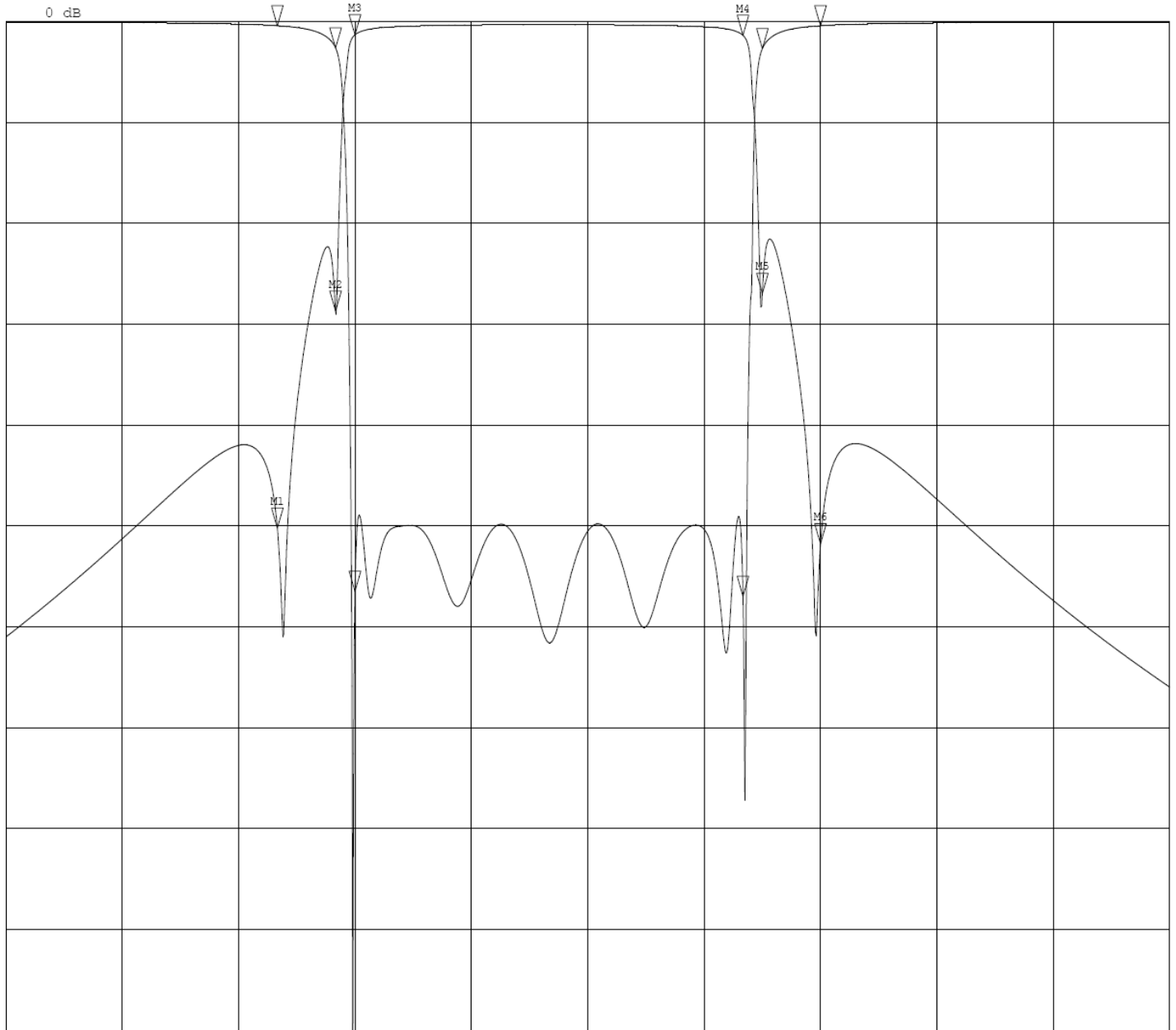
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- Wideband WiMAX filter
- Factory tunable 100 MHz bandwidth available in both the 2.5 and 3.5 GHz frequency bands.
- Available from stock.

## SPECIFICATIONS: CV-2640/100

Passband	2590-2690MHz
Passband Insertion Loss	1.4 dB typ, 1.6 dB max
Passband Return Loss	18 dB min
Rejection	
2570 MHz	40 dB min
2570-2585 MHz	20 dB min
2695-2710 MHz	20 dB min
2710 MHz	40 dB min
Ultimate	60 dB min
Power Handling	
CW	10 Watts
Peak	50 Watts
Operating Temperature	-40 to +70 deg C
Connectors	SMA female
Size	5.94" x 4.29" x 1.14"

Typical Performance Data: CV-2640/100



2500  
 Trans. 10dB/Div  
 Reflct. 5db/Div

M1 - S21 50.209 dB at 2570 MHz	M4 - S21 1.3522 dB at 2690 MHz
- S11 0.2014 dB	- S11 28.4885 dB
M2 - S21 28.6852 dB at 2585 MHz	M5 - S21 26.9412 dB at 2695 MHz
- S11 1.2968 dB	- S11 1.3353 dB
M3 - S21 1.3001 dB at 2590 MHz	M6 - S21 51.759 dB at 2710 MHz
- S11 28.2399 dB	- S11 0.2014 dB

2800