



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
801-RF2642.5M-A	DMB, RF SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
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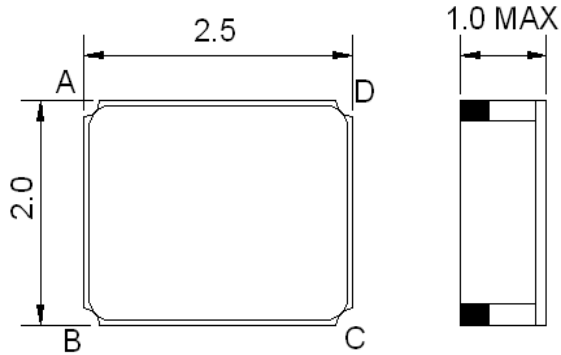
## Notes

- o Electrostatic Sensitive Device (ESD) 
- o Avoid excessive ultrasonic exposure
- o Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- o This product complies with EU directive 2002/95/EC (RoHS compliance)

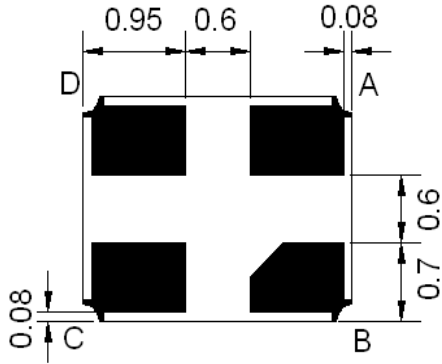




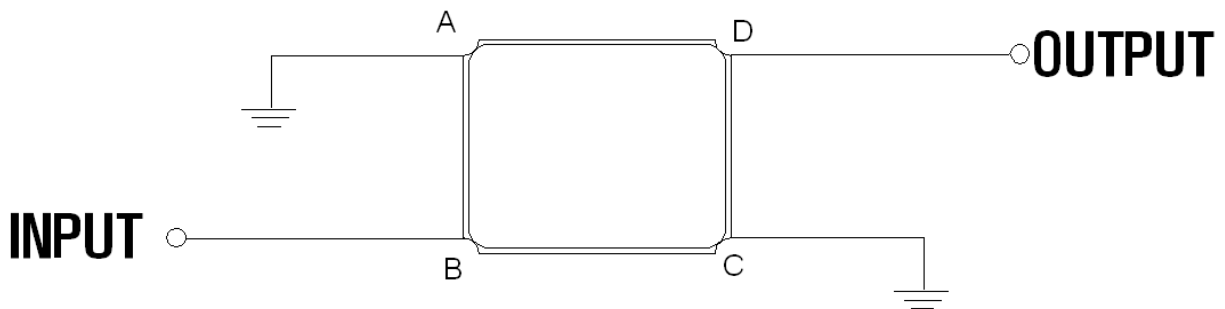
### Mechanical Dimensions (mm)



Pin Description	
A, C	Ground
B	In
D	Out



### Test Circuit



Source and Load Impedance: 50  $\Omega$

**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0.2
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

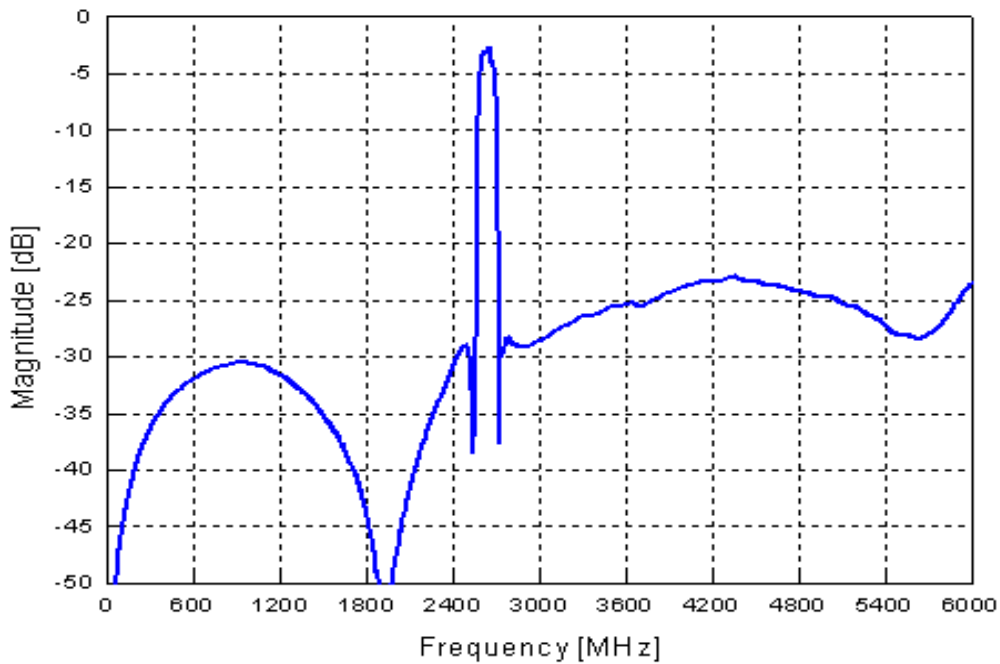
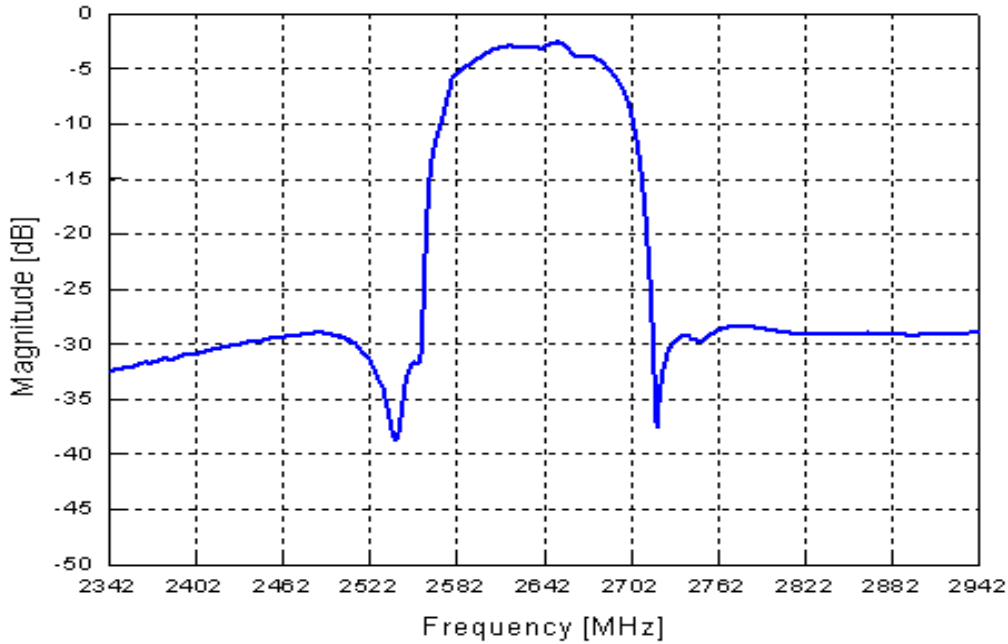
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2642.5	-
Insertion Loss within 2630.0 ~ 2655.0 MHz	dB	-	3.0	3.5
Amplitude Ripple within 2630.0 ~ 2655.0 MHz	dB <sub>p-p</sub>	-	0.8	1.5
Attenuation:				
D.C. ~ 2400 MHz	dB	20	30	-
2400 ~ 2500 MHz	dB	20	28	-
2750 ~ 3500 MHz	dB	18	25	-
3500 ~ 6000 MHz	dB	15	22	-
VSWR within 2630.0 ~ 2655.0 MHz	-	-	1.7	2.5

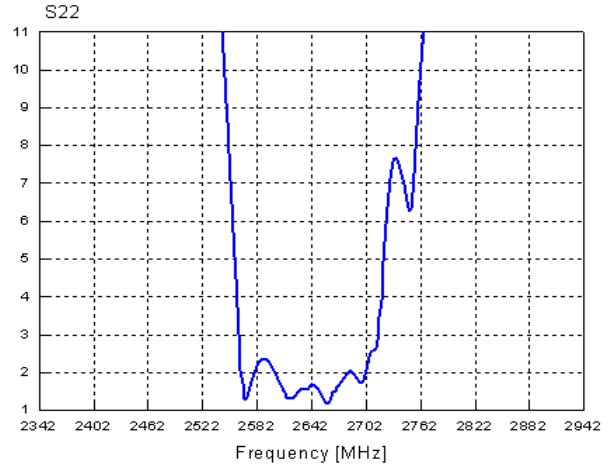
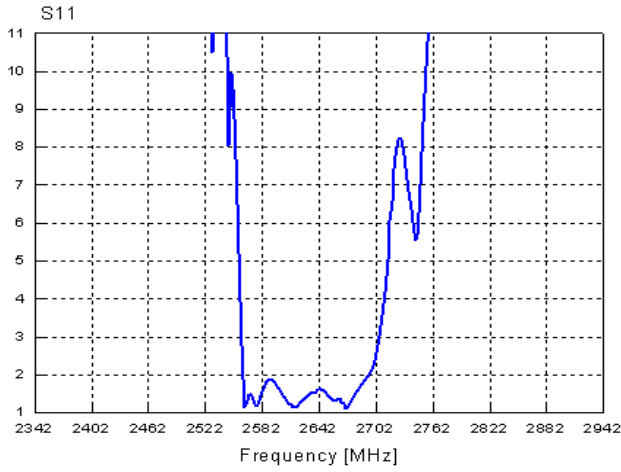


### Frequency Performance





### VSWR



### Smith Chart

