



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# INMARSAT Ceramic Bandpass Filter

**Part Number: AM1542B964**



## Electrical specifications

**Center Frequency:** 1542 MHz  
**Bandwidth:** 34 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 1525–1559 MHz  
**Passband Insertion Loss:** 1525–1559 MHz 2.5 dB  
**Passband Ripple:** 1525 – 1559 MHz 1.0 dB  
**Passband Return Loss:** 1525 – 1559 MHz 9.5 dB  
**Rejection:** 1475 MHz 14.0 dB  
**Rejection 2:** 1626 MHz 24.0 dB  
**Rejection 3:** 1650–1661 MHz 32.0 dB  
**Power Handling:** 1 Watt max

## Mechanical

**Mounting Method:** SMT  
**Dimensions:** 11.9 x 8.9 x 4.496 mm

## Environmental

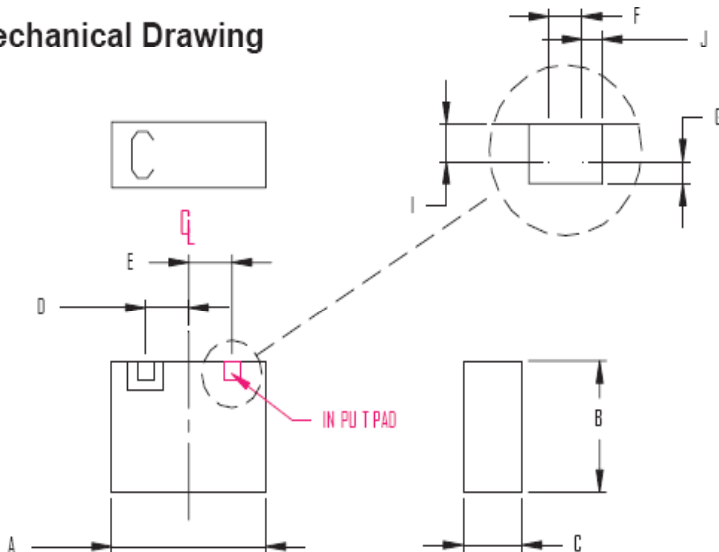
**Operating Temperature:** -40°C to +70°C  
**Storage Temperature:** -50°C to +90°C

**This product is RoHs compliant.**



## Mechanical Drawing:

Mechanical Drawing



Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.9	Max
B	8.9	Max
C	4.496	Max
D	3.302	0.127
E	3.302	0.127
F	1.27	0.127
G	0.762	0.127
I	1.27	0.127
J	0.762	0.127



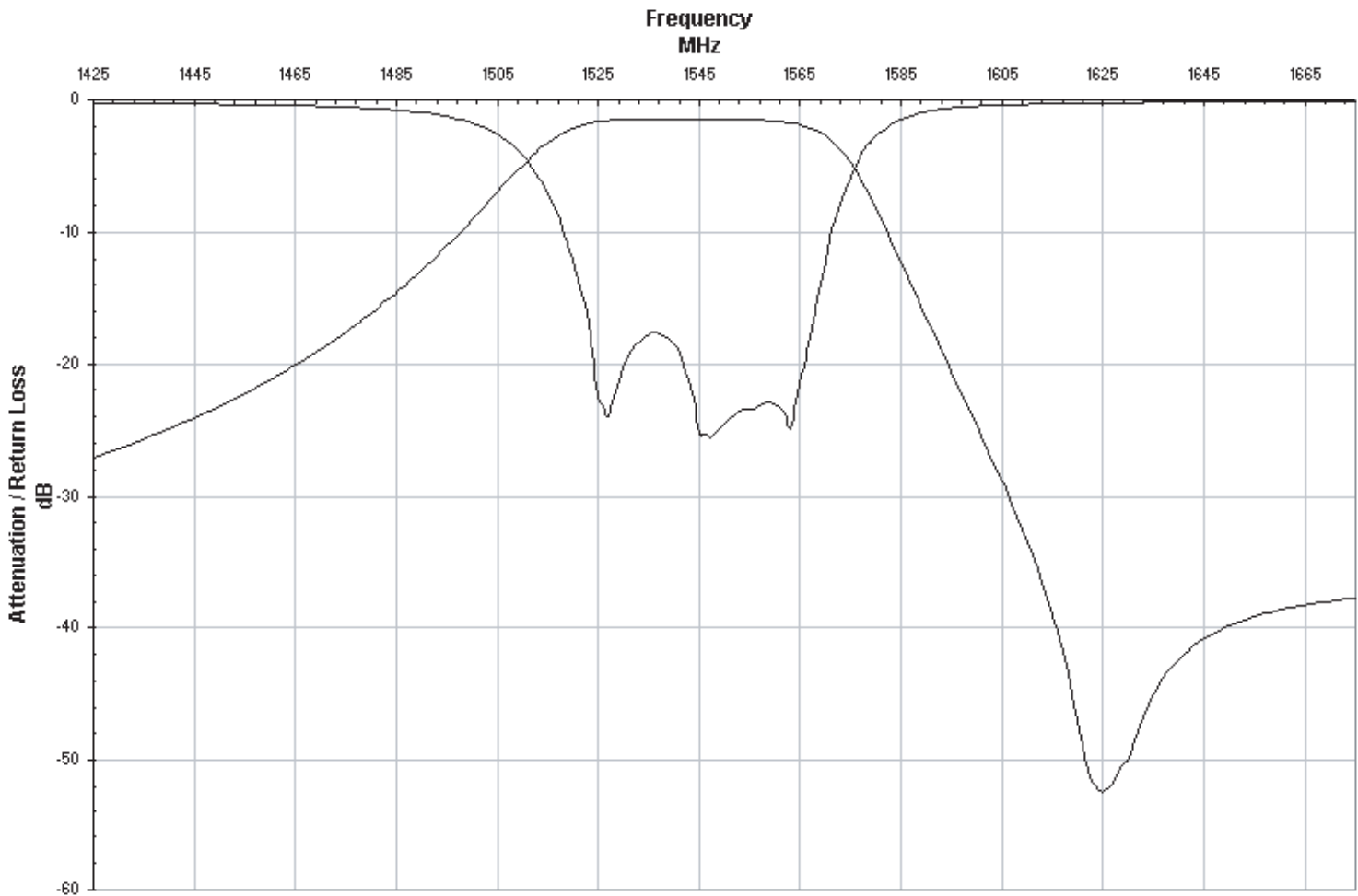
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## Response Plot:



Typical Response Curve