



INMARSAT Ceramic Band Pass Filter

Part Number: AM1643B504



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Electrical specifications

Center Frequency: 1643.5 MHz
Bandwidth: 34 MHz
Input / Output Impedance: 50 Ohms
Passband: 1626.5-1660.5 MHz
Passband Insertion Loss: 1626.5-1660.5 MHz 2.5 dB
Passband Ripple: 1626.5-1660.5 MHz 1.0 dB
Passband Return Loss: 1626.5-1660.5 MHz 9.5 dB
Rejection: 1576.5 MHz 30.0 dB max
Rejection 2: 1751.5 MHz 24.0 dB max
Power Handling: 1 Watt Max

Mechanical

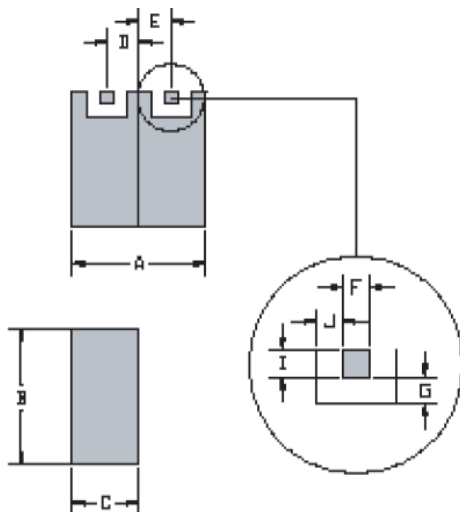
Mounting Method: SMT
Dimensions: 11.748 x 7.29 x 4.496 mm

Environmental

Operating Temperature: -40°C to +85°C
Storage Temperature: -50°C to +90°C

This product is RoHs compliant.

Outline Drawing:



Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.748	Max
B	7.29	Max
C	4.496	Max
D	3.302	0.13
E	3.302	0.13
F	1.27	0.13
G	0.762	0.13
H		
I	1.27	0.13
J	0.762	0.13

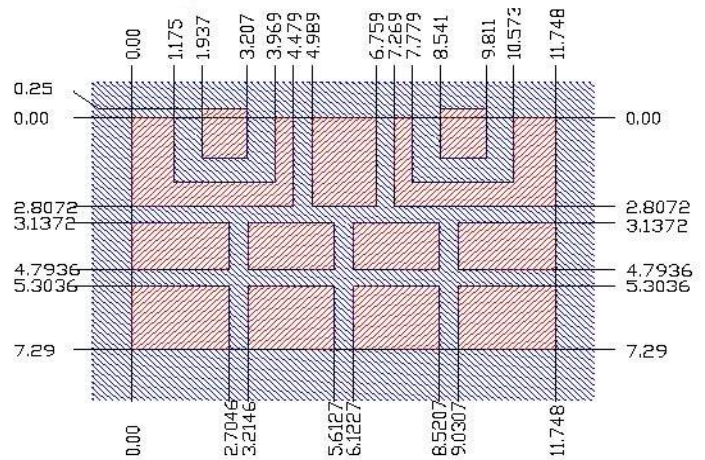
Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

PCB Layout:



- Filter Outline
- Exposed Conductor
- Solder Resist Over Dielectric
- Solder Resist Over Conductor