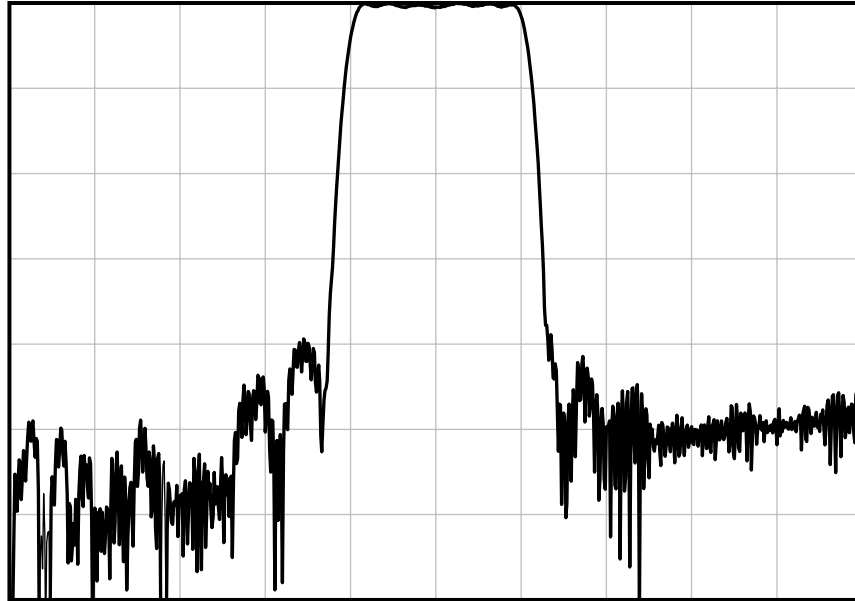


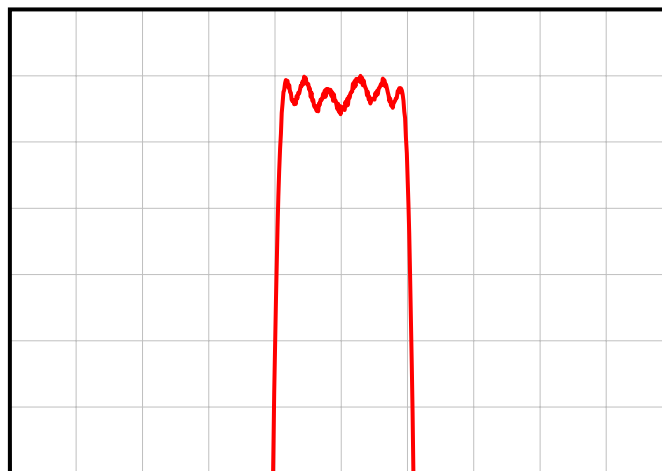
DESCRIPTION

- 600 MHz SAW band pass filter with 80 MHz bandwidth.
- 5mm x 5mm LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE



Horizontal: Frequency 45 MHz / div
Vertical: Magnitude 10 dB/div



Horizontal: Frequency 45 MHz / div
Vertical: Magnitude 1 dB/div

SPECIFICATION

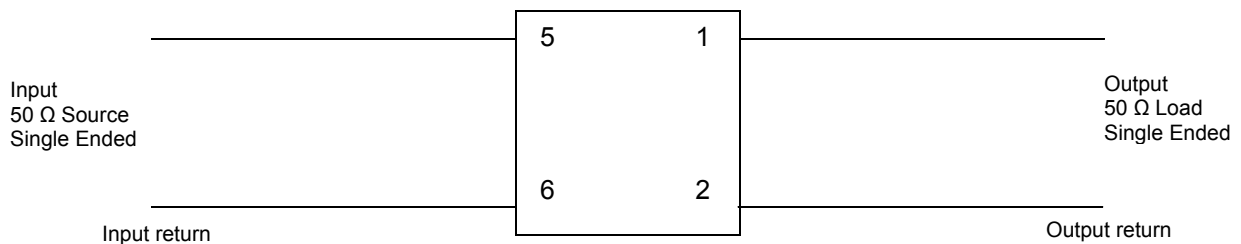
| Parameter | Min | Typ | Max | Units |
|------------------------------------|-----|-----|-----|--------|
| Center Frequency (Fc) ¹ | - | 600 | - | MHz |
| Insertion Loss @ Fc | - | 22 | 25 | dB |
| Pass Band Variation | - | 0.5 | 1 | dB p-p |
| 1 dB Bandwidth ² | 80 | 85 | - | MHz |
| 40 dB Bandwidth ² | - | 115 | 120 | MHz |
| Absolute Delay | - | 0.3 | - | μs |
| Rejection (20 to 500MHz) | 40 | 46 | - | dB |
| Rejection (500 to 540MHz) | 37 | 40 | - | dB |
| Rejection (660 to 700MHz) | 37 | 39 | - | dB |
| Rejection (700 to 1060MHz) | 40 | 43 | - | dB |
| Specified Temperature Range | 25 | | 85 | °C |
| System Source and Load Impedance | 50 | | | Ω |

- Notes: 1. Defined as the average of the lower and upper 3 dB frequencies.
2. All dB levels are defined relative to the insertion loss.

MAXIMUM RATINGS

| Parameter | Min | Max | Units |
|-----------------------------|-----|-----|-------|
| Storage Temperature Range | -20 | 85 | °C |
| Operating Temperature Range | 25 | 85 | °C |
| Input Power Level | - | +10 | dBm |

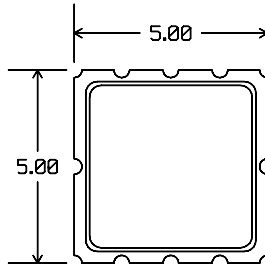
MATCHING CIRCUIT



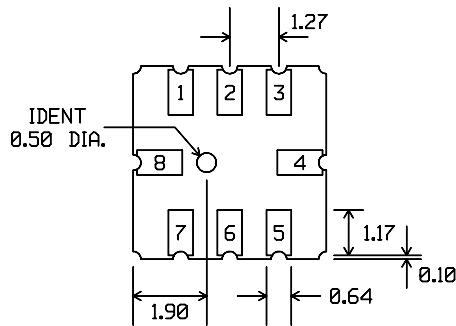
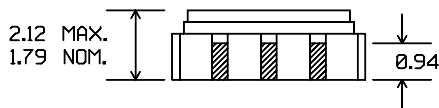
Notes:

1. Matching components are not required.
2. All other pins are GND.

PACKAGE OUTLINE



| Pad Configuration: | |
|--------------------|-----------------------|
| 5 | Input |
| 1 | Output |
| 2, 6 | Input / Output Return |
| 3, 4, 7, 8 | Ground |



ISO 9001
Registered

All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
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