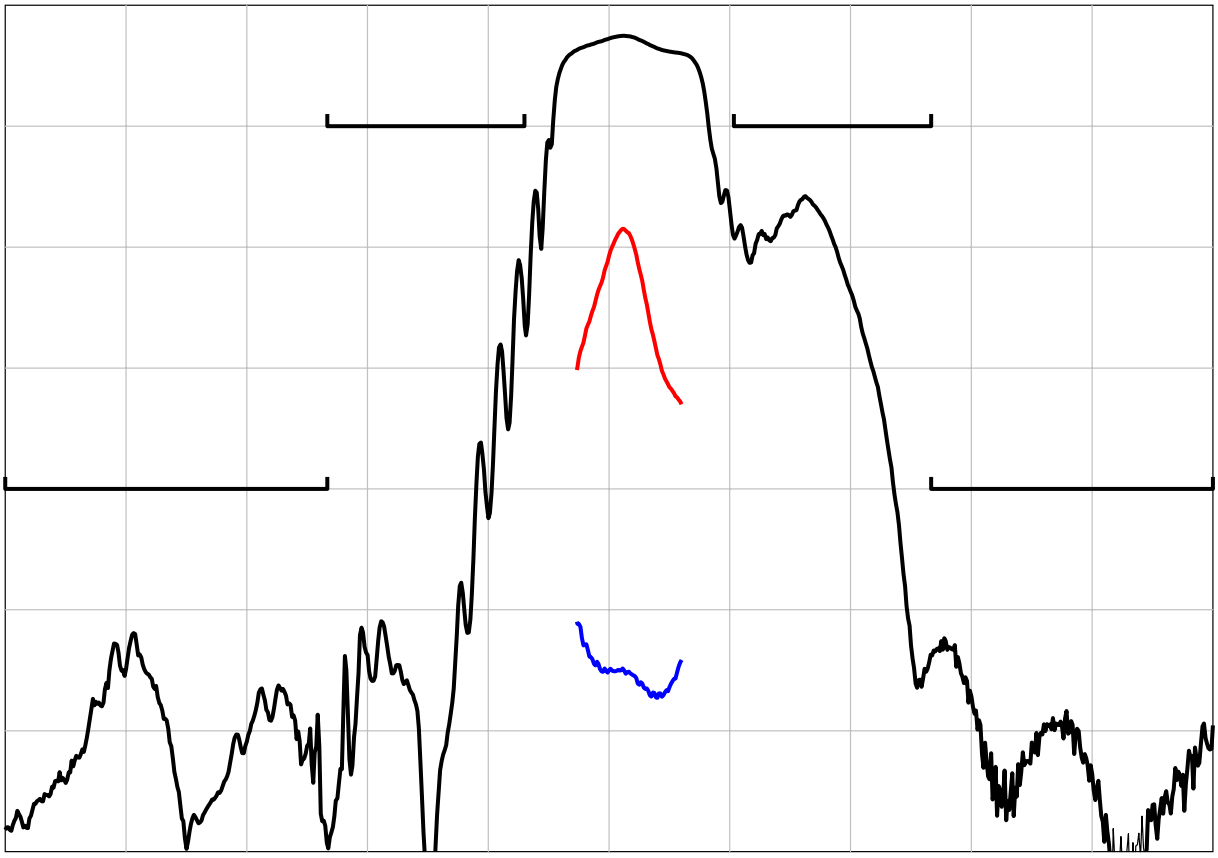
DESCRIPTION

- 730 MHz SAW bandpass filter with 26 MHz bandwidth.
- 3.8 x 3.8 mm LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE



Horizontal:	Frequency - Center :	725	MHz
	Span :	300	MHz
Vertical:	Magnitude :	10	dB/div
	Magnitude :	1	dB/div
	Group Delay :	20	ns/div

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SPECIFICATION

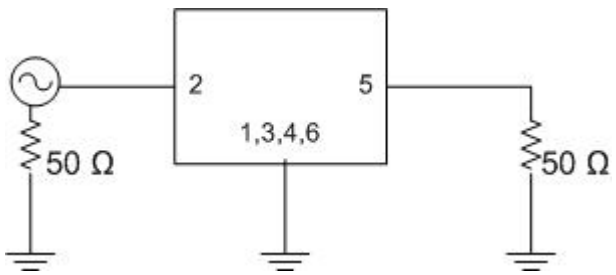
Parameter	Min	Typ	Max	Units
Nominal Center Frequency F_C	-	730	-	MHz
Passband	717	-	743	MHz
Maximum Insertion Loss over the Passband	-	4.0	4.2	dB
Absolute Delay	-	30	-	ns
Rejection (0.3 to 655 MHz) [1]	40	52	-	dB
Rejection (655 to 704 MHz) [1]	10	21	-	dB
Rejection (756 to 805 MHz) [1]	10	15	-	dB
Rejection (805 to 1030 MHz) [1]	40	52	-	dB
Rejection (1030 to 1180 MHz) [1]	50	55	-	dB
Amplitude Variation over the Passband	-	1.5	1.7	dB p-p
Group Delay Ripple in Passband	-	15	100	ns p-p
Source/Load Impedance		50		ohms
Temperature Coefficient of Frequency, Tc [2]	-	-70	-	ppm/˚C
Ambient Temperature (Tref)	-	23	-	˚C

Notes: 1. Absolute level
2. Typical shift of filter frequency response with temperature is $\Delta f = (T-T_{ref})*Tc*Fc$.

MAXIMUM RATINGS

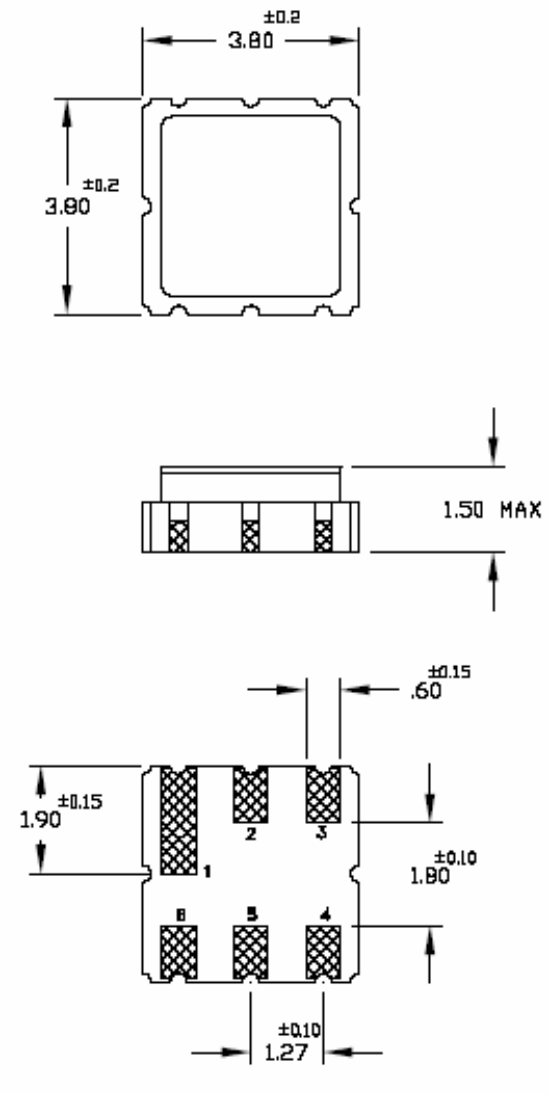
Parameter	Min	Max	Units
Storage Temperature Range	-45	85	˚C
Operating Temperature Range	-20	55	˚C
Input Power Level	-	10	dBm

MATCHING CIRCUIT

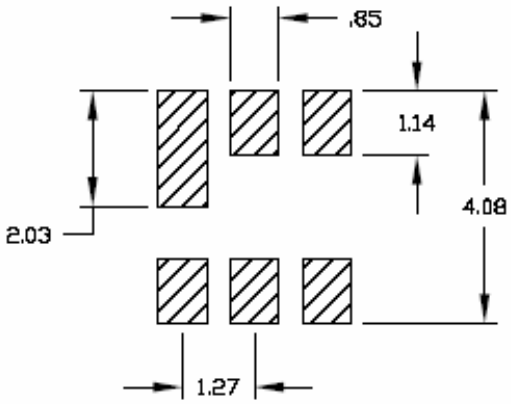


Notes:
- 50 ohm single ended operation.
- Matching components are not required.

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



Units: mm

Tolerances are ±0.15 mm except where indicated.

Pad Configuration:

Input:	2
Output:	5
Ground:	1, 3, 4, 6

Package Material:
Body: Al_2O_3 ceramic
Lid: *Kovar, Ni* plated
Terminations: *Au* plating 1 µm min, over a 1.3-8.9 µm *Ni* plating

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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