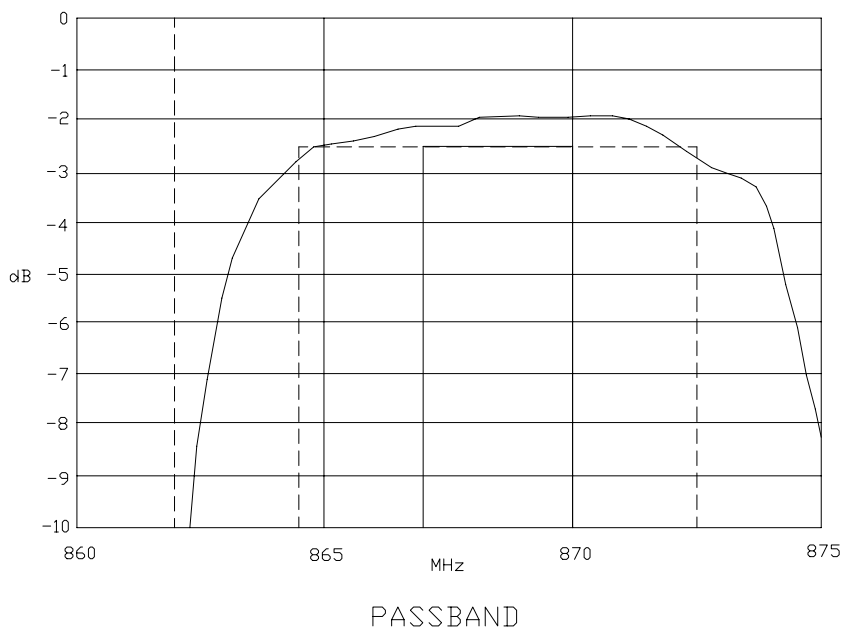
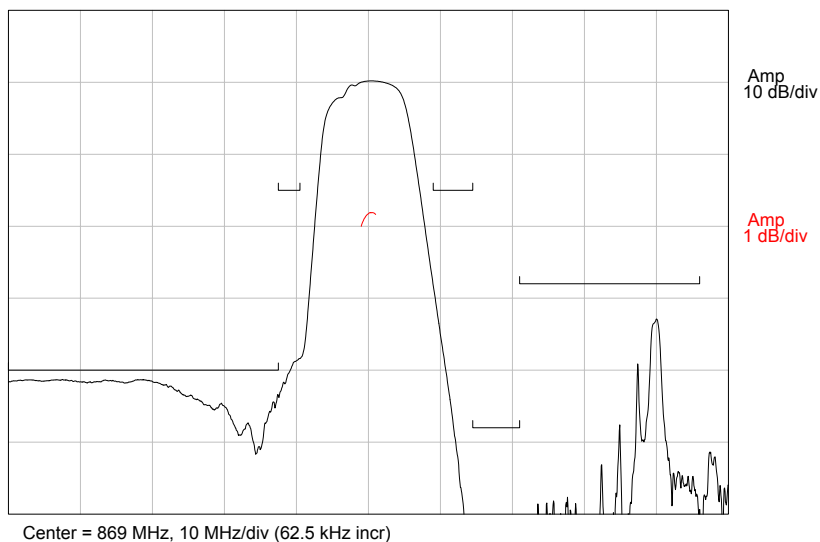


DESCRIPTION

- 869 MHz SAW Filter with an 11 MHz typical 3dB bandwidth.
- 3.0 x 3.0 mm LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE



SPECIFICATION

Parameter	Min	Typ ⁽¹⁾	Max	Units
Center Frequency F_c	-	869	-	MHz
Insertion Loss (868-870 MHz)	-	2.8	3.4	dB
Amplitude Ripple (868-870 MHz)	-	0.3	1.5	dB
Source Impedance (Single Ended)	-	50 ⁽²⁾	-	ohms
Load Impedance (Single Ended)	-	50 ⁽²⁾	-	ohms
Absolute Attenuation ⁽³⁾				
DC to 300 MHz	45	52	-	dB
300 to 856.5 MHz	40	44	-	dB
856.5 to 859.5 MHz	15	40	-	dB
878 to 883.5 MHz	15	30	-	dB
883.5 to 890 MHz	48	70	-	dB
890 to 915 MHz	28	36	-	dB
915 to 1500 MHz	40	50	-	dB
Temperature Coefficient of Frequency	-	-	-36	ppm/°C

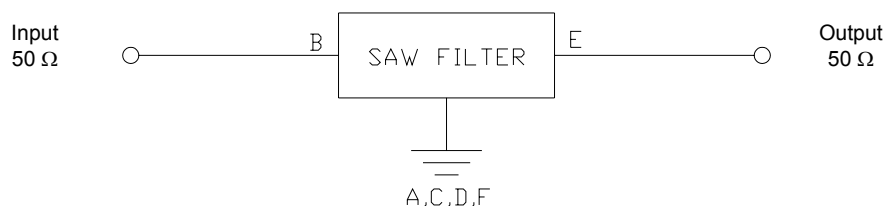
Notes: (1). Typical values are nominal performance at room temperature.
 (2). No external matching circuit is required.
 (3). Reference level from 0 db.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating temperature Range	-40	85	°C
Input Power Level	-	15	dBm
Max. D. C. Voltage between Each Terminal	-	3	V

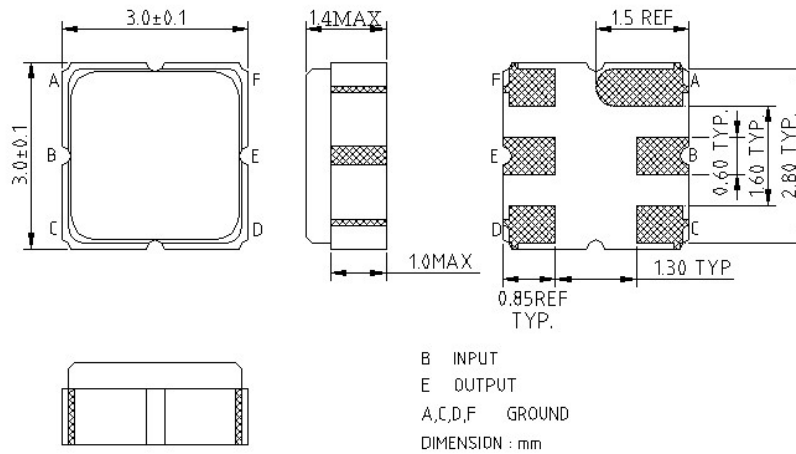
TEST CIRCUIT

HP Network Analyzer



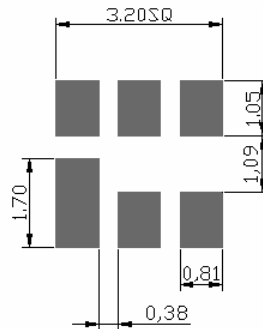
Note: No matching circuit is required.

PACKAGE OUTLINE

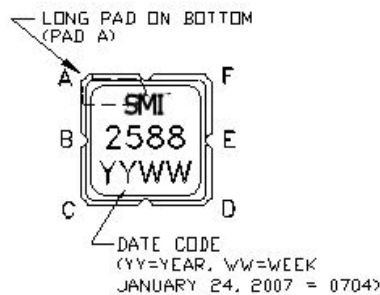


Package Material:
 Body: Al_2O_3 ceramic
 Lid: Kovar, Ni plated
 Terminations: Au plating 1 μ m min,
 over a 1.3-8.9 μ m Ni plating

SUGGESTED FOOTPRINT



MARKING



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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