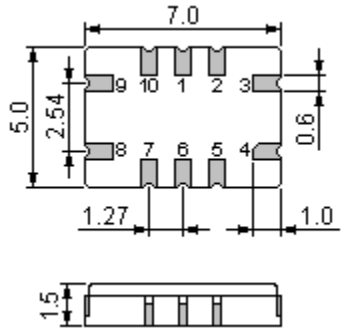
This specification is applied to a low-loss, compact, and economical surface-acoustic-wave (SAW) IF filter in a surface-mount ceramic SMP-03 case with center frequency **240.000** MHz.

1. Package Dimension (SMP-03)



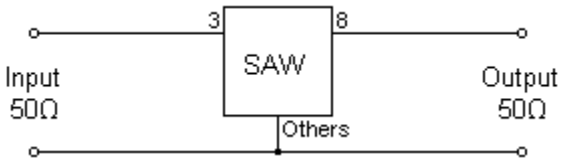
Pin	Configuration
3	Input
8	Output
Others	Ground

2. Marking

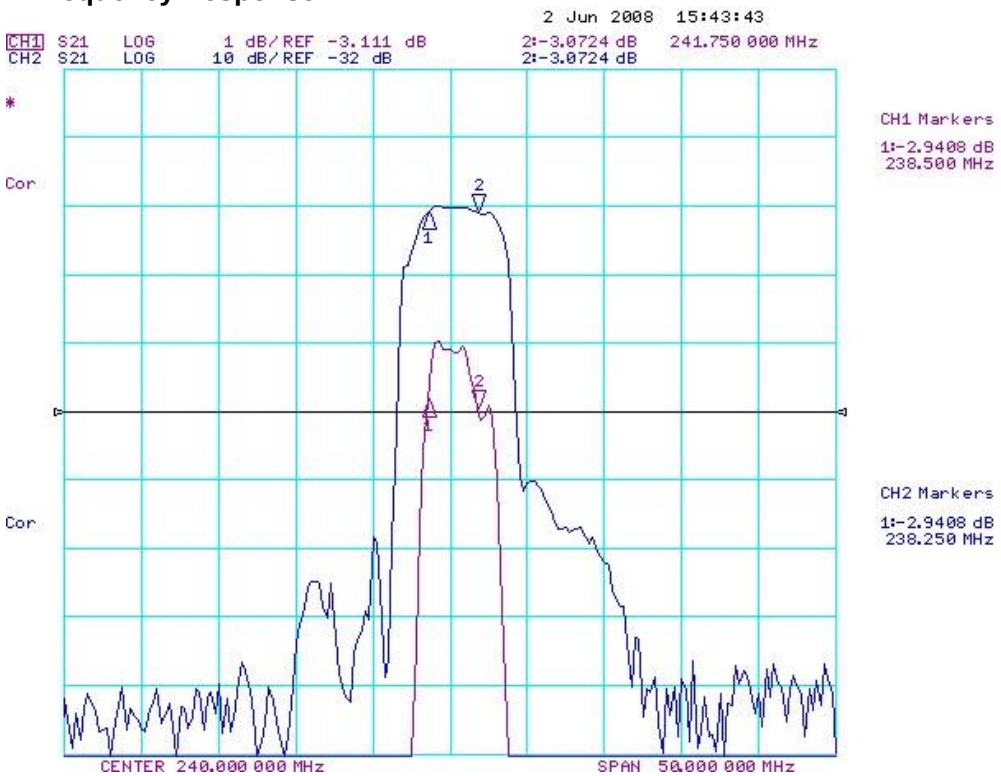
ACTF*
2056

Laser Marking

3. Test Circuit



4. Frequency Response



5. Performance

5-1. Maximum Ratings

Rating		Value	Unit
Input Power Level	P	5	dBm
DC Voltage	V_{DC}	0	V
Storage Temperature Range	T_{stg}	-40 to +105	℃
Operable Temperature Range	T_A	-40 to +105	℃

5-2. Electronic Characteristics

Characteristic		Min.	Typ.	Max.	Unit
Center Frequency	f_C	--	240.00	--	MHz
Insertion Loss 239.50 MHz …. 240.50 MHz	IL	--	3.5	4.5	dB
1dB Bandwidth	BW_1		3.75		MHz
35dB Bandwidth	BW_{35}			9	MHz
Passband Ripple 239.50 MHz …. 240.50 MHz	$\Delta\alpha$	--	--	1.5	dB
Absolute Attenuation 200.00 MHz …. 230.00 MHz 245.00 MHz …. 255.00 MHz 255.00 MHz …. 280.00 MHz	α	 42 28 42	 60 40 65	 -- -- --	 dB dB dB

ⓘCAUTION: Electrostatic Sensitive Device. Observe precautions for handling!

Ⓒ ACT. All Rights Reserved.

NOTE:

1. The frequency f_C is defined as the midpoint between the 3dB frequencies.
2. Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture that is connected to a 50Ω test system with VSWR≤1.2:1.
3. Unless noted otherwise, specifications apply over the entire specified operating temperature range.
4. The specifications of this device are based on the test circuit shown above and subject to change or obsolescence without notice.
5. All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
6. Our liability is only assumed for the Surface Acoustic Wave (SAW) component(s) per se, not for applications, processes and circuits implemented within components or assemblies.