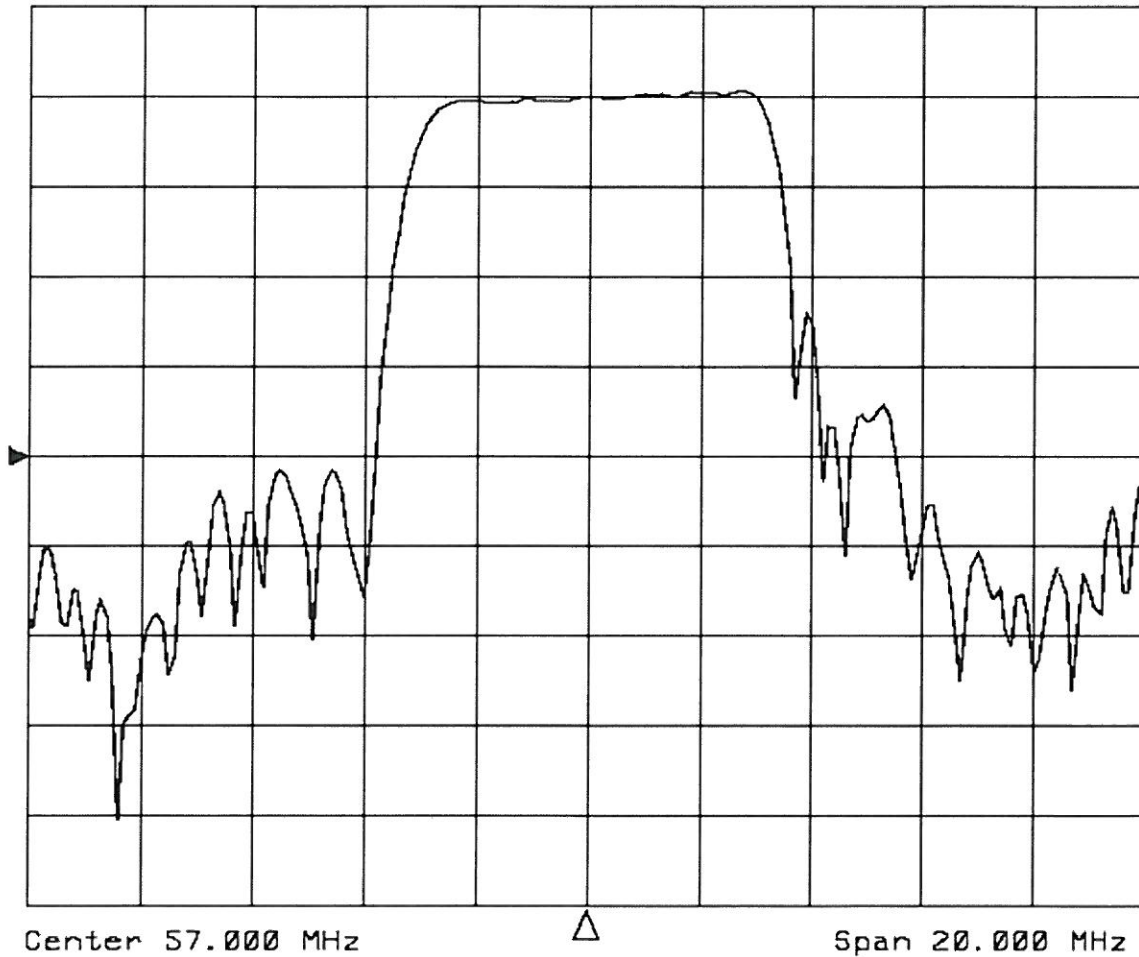


**DESCRIPTION**

- 57 MHz SAW filter with 5.38 MHz bandwidth for television intercarrier applications.
- 14.8 x 5.8 x 2.9 mm SIP-5H.
- RoHS compliant.

**TYPICAL PERFORMANCE**





**SPECIFICATION**

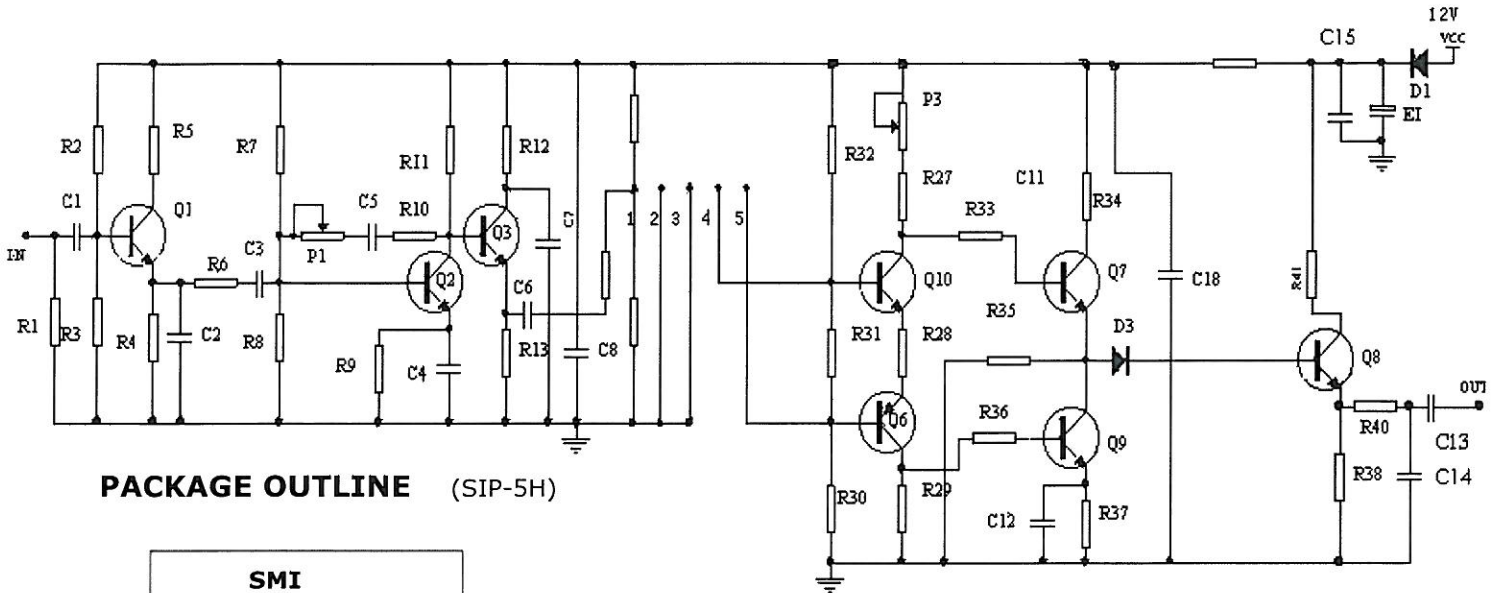
Parameter	Min	Typ	Max	Units
Center Frequency ( Fc) <sup>1</sup>	-	57.00	-	MHz
Insertion Loss <sup>2</sup>	9.5	11.0	12.5	dB
Attenuation at 52.750 MHz	-	-45	-35	dB
Attenuation at 53.500 MHz	-	-16	-7	dB
Attenuation at 54.190 MHz	-2.5	-1.5	-	dB
Attenuation at 57.000 MHz	-	0	-	dB
Attenuation at 59.810 MHz	-1.5	0.2	-	dB
Attenuation at 60.250 MHz	-	-5.5	-3.5	dB
Attenuation at 61.096 MHz	-	-36	-25	dB
Attenuation at 64.750 MHz		-55	-40	
Lower Sidelobe (46.750 to 52.750 MHz)	-	-41	-33	dB
Upper Sidelobe (62.382 to 68.002 MHz)	-	-41	-33	dB
Amplitude Ripple (54.190 to 59.810)	-	0.5	1.0	dB
Group Delay Ripple (54.190 to 59.810)	-	40	-	ns p-p
Reference Temperature	25			°C
Temperature Coefficient of Frequency	-72			ppm/°C
Terminating Source Impedance	50			Ω
Terminating Load Impedance	2 kΩ // 3 pF			-

- Notes: 1. Reference Frequency.  
 2. Shall be the reference level at 57.00 MHz for all dB limits in specification.

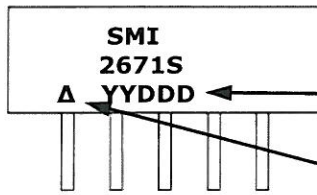
**MAXIMUM RATINGS**

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-25	65	°C
DC Voltage between any terminals	-	12	V <sub>DC</sub>
AC Voltage between any terminals	-	10	V <sub>pp</sub>

**TEST CIRCUIT**

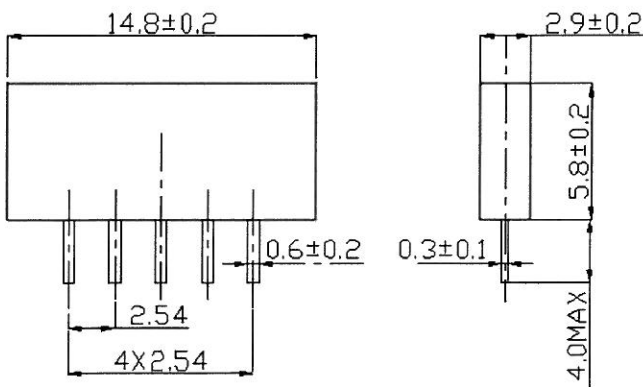
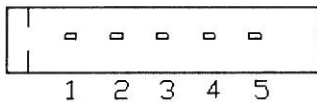


**PACKAGE OUTLINE (SIP-5H)**



Date Code (YY=year, DDD=day)

Pin 1 identifier (ESD Symbol)



**Units:** mm

**Pin Configuration:**

- Input: 1
- Input ground: 2
- Chip carrier ground: 3
- Output: 4
- Output: 5



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