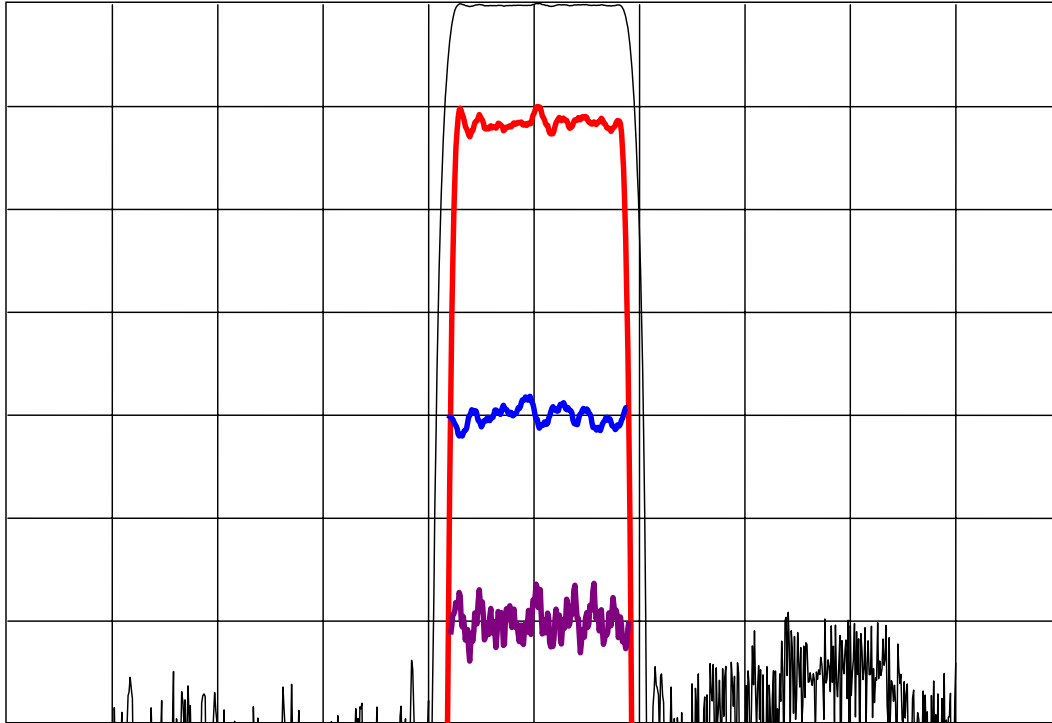


DESCRIPTION

- 44 MHz SAW bandpass filter for CATV applications.
- 35.1 x 20.6 mm DIP package.
- RoHS compliant.

TYPICAL PERFORMANCE



Horizontal: Frequency : 4 MHz/div
 Vertical from Top: Relative Magnitude : 10 dB/div
 Relative magnitude : 1 dB/div
 Phase : 5 deg/div
 Group Delay Deviation : 50 ns/div

SPECIFICATION

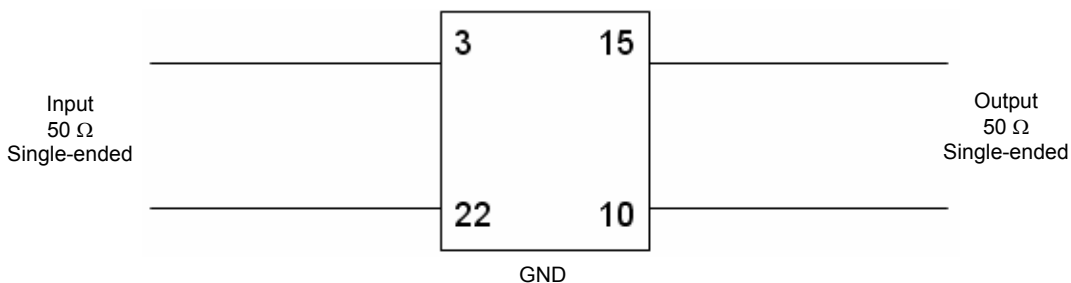
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	-	44.00	-	MHz
Insertion Loss	-	28.5	30	dB
1 dB Lower Band Edge	-	40.96	41.00	MHz
1 dB Upper Band Edge	47.00	47.45	-	MHz
55 dB Lower Band Edge	40.00	40.21	-	MHz
55 dB Upper Band Edge	-	48.22	49.00	MHz
Passband Ripple ²	-	0.4	1.0	dB p-p
Phase Deviation ²	-	2	6	deg p-p
Group Delay Ripple ²	-	40	60	ns p-p
Rejection (30 to 40 MHz)	55	60	-	dB
Rejection (49.0 to 60 MHz)	55	60	-	dB
Ambient Temperature (Tref)	-	50	-	° C
Source/Load Impedance	-	50	-	Ω

- Notes:
1. Average of lower & upper 3 dB frequencies.
 2. Measured over 41 to 47 MHz.
 3. Typical change of filter frequency response with temperature is $\Delta f = (T-T_{ref}) * T_c * F_c$, in ppm.

MAXIMUM RATINGS

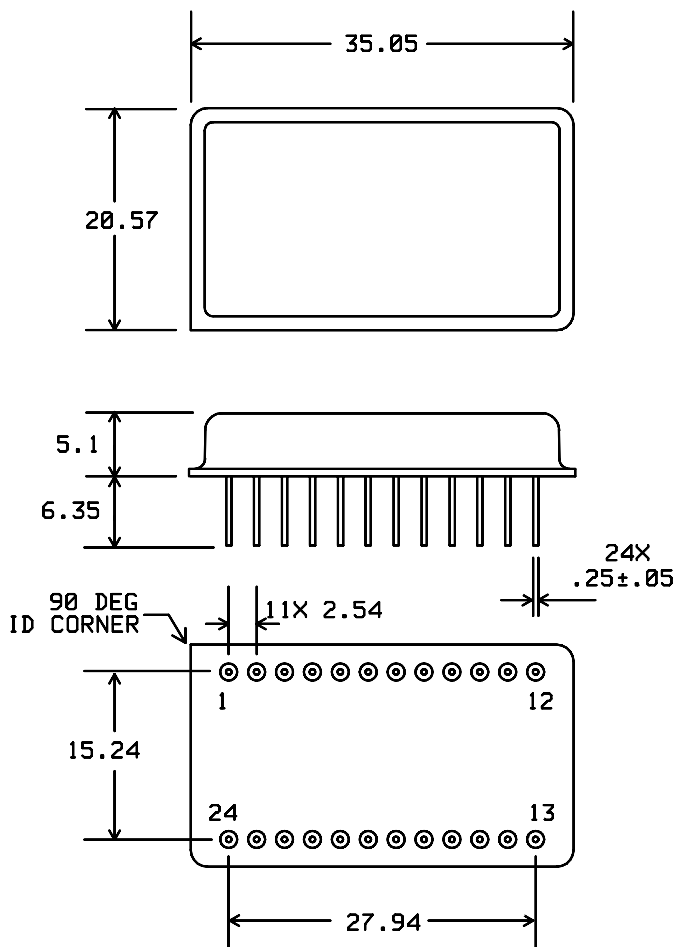
Parameter	Min	Typ	Max	Units
Storage Temperature Range	-40	50	85	°C
Temperature Coefficient of Frequency (Tc) ³	-	-74	-	ppm/°C
Input Power Level	-	0	10	dBm

MATCHING CIRCUIT



Note: External matching components are not required.

PACKAGE OUTLINE



Units: mm

Tolerances are ±0.15 mm except for the overall length and width, which are nominal values.

Pin Configuration:

Input:	3
Input return:	22
Output:	15
Output return:	10
Ground:	All other pins

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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