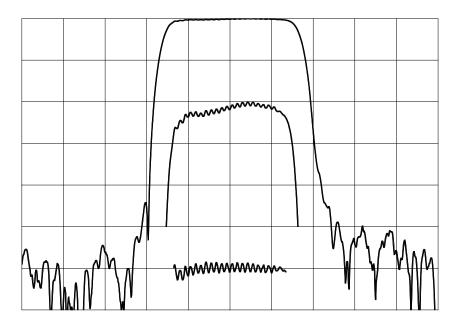
TYPICAL PERFORMANCE



Horizontal: 4 MHz/div Vertical (from top): Magnitude 10,1 dB/div Group Delay Deviation 100 ns/div

SPECIFICATION

Parameter	Min	Тур	Max	Units
Center Frequency (Fc) ¹	139.6	140.0	140.4	MHz
Insertion Loss		10.4	12.5	dB
1 dB Bandwidth	10.2	11.7		MHz
3 dB Bandwidth	12.0	12.7		MHz
35 dB Bandwidth		16.1	21.3	MHz
Passband Ripple ²		0.74	1.0	dB p-p
Phase Ripple ²		10	15	deg p-p
Group Delay Ripple ²		50	120	ns p-p
Absolute Delay		1.0		us
Ultimate Rejection	40	47		dB
Temperature Coefficient of Frequency		-90		ppm/°C
Substrate Material	YZ Lithium Niobate			
Source and Load Impedance		50		Ω
Ambient Temperature		25		°C

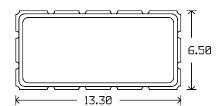
Notes:

- 1. Average of lower and upper 3 dB frequencies.
- 2. Measured over 90% of the 3 dB bandwidth.
- 3. Typical change of filter frequency response with temperature is $\Delta f/f_{ref} = (T-T_{ref})^*Tc$ ppm.

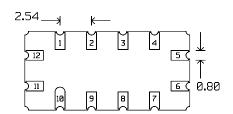
Rev X5 21-Apr-05 Page 1 of 2



PACKAGE OUTLINE







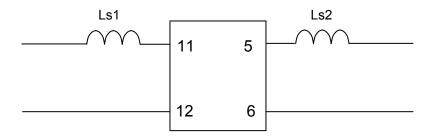
Units: mm

Pin Configuration:

Input: 11
Input Return: 12
Output: 5
Output Return: 6

Ground: All other pins

MATCHING CIRCUIT



Component values:

$$Ls2 = 82 nH$$

(Minimum Q = 45)

Notes

- 1. Recommended component tolerance: 5%
- 2. Optimum values may change depending on board layout. The values shown here are intended as a guide only.

ISO 9001 Registered

Rev X5 21-Apr-05 Page 2 of 2