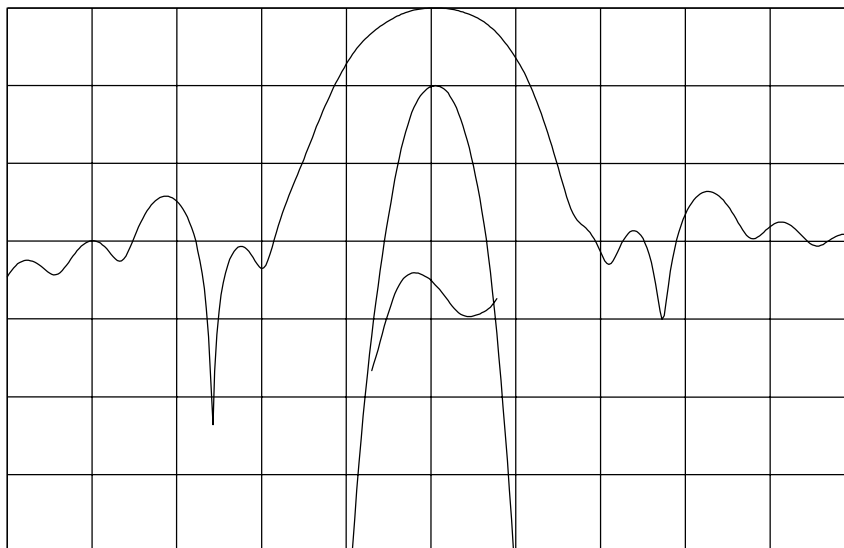


TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div

Vertical (from top): Magnitude
Magnitude
Phase

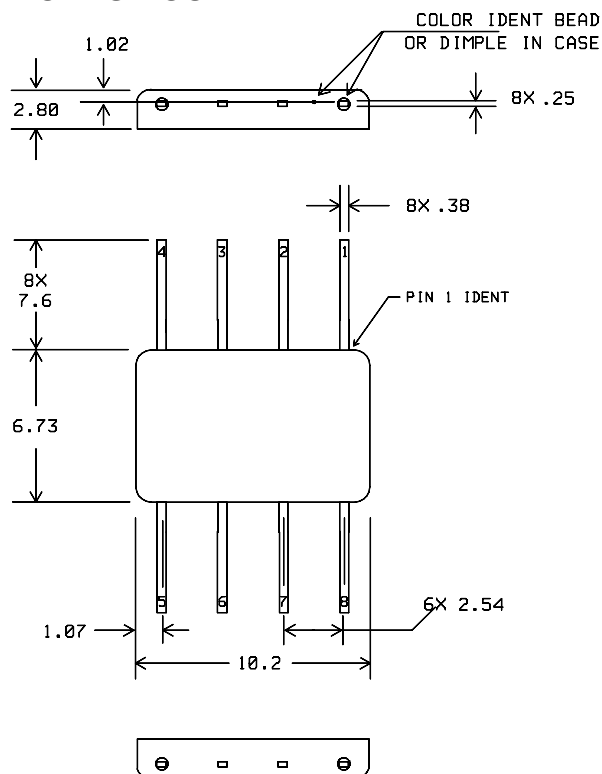
10 dB/div
1 dB/div
5 deg/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	303.70	303.80	303.90	MHz
Insertion Loss		10.4	11.0	dB
3 dB Bandwidth	2.60	2.85		MHz
20 dB Bandwidth		6.02		MHz
Phase Linearity (in 3 dB BW)		7	10	deg p-p
Phase Slope (in 3 dB BW)		360		deg
Insertion Phase ²		0		deg
Turn Over Temperature	35	45	55	° C
Source and Load Impedance		50		Ω
Input Power		+10	+15	dBm
Operating Temperature Range	-30		100	° C

Notes: 1. Any specified bandwidths are referenced to this frequency.
2. Parameter measured at Fc.

PACKAGE OUTLINE

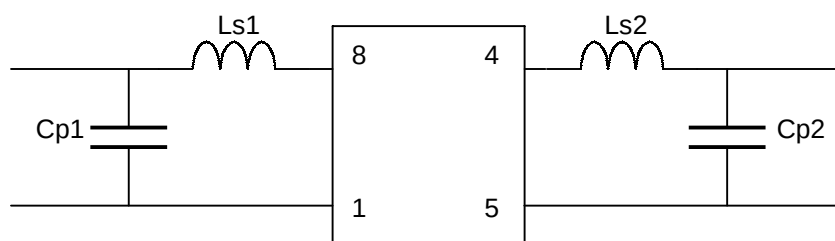


Units: mm

Pin Configuration:

Input: 8
Input Return: 1
Output: 4
Output Return: 5
Ground: 2,3,6,7

MATCHING CIRCUIT



Typical component values:

Ls1 = 130 nH
Cp1 = 20 pF

Ls2 = 100 nH
Cp2 = 20 pF

(minimum inductor Q = 45)

- Notes - Requires 2% matching components.
- Component values may change depending on board layout.

ISO 9001
Registered

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