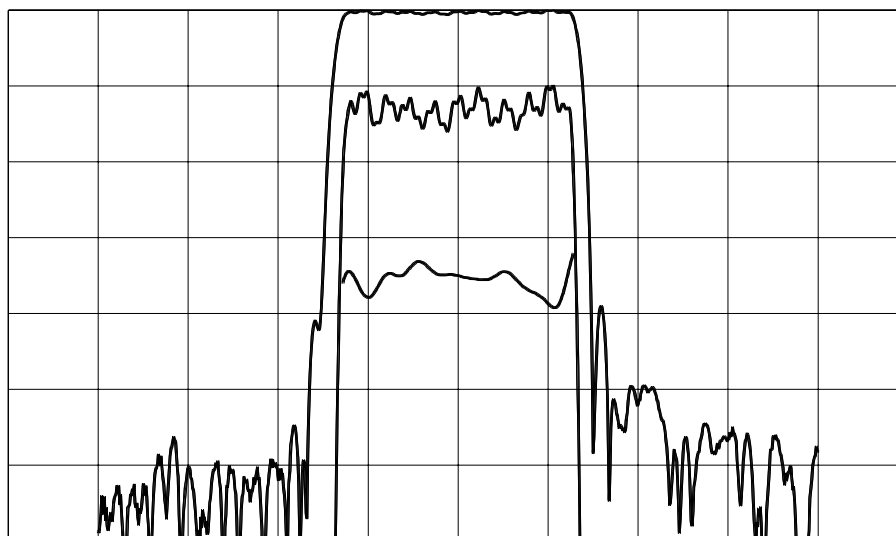


TYPICAL PERFORMANCE



Horizontal: 0.5 MHz/div

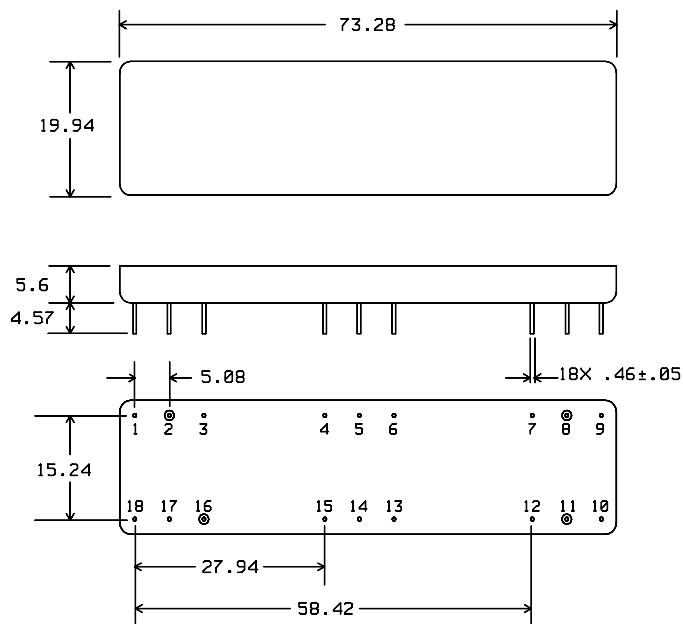
Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Phase 5 deg/div

SPECIFICATION

Parameter	Min.	Typical	Max.	Units.
Center Frequency (nominal)		69.99		MHz
Insertion Loss ¹			22.0	dB
1.5 dB Lower band edge			69.350	MHz
1.5 dB Upper band edge	70.630			MHz
30 dB Lower Frequency	69.240			MHz
30 dB Upper Frequency			70.740	MHz
45 dB Upper Frequency			70.890	MHz
50 dB Lower Frequency	69.090			MHz
50 dB Upper Frequency			71.200	MHz
Passband Ripple			0.7	dB
Phase deviation			5	deg p-p
Rejection (F0/2 - 69.09)	50			dB
Rejection (70.89 - 71.2)	45			dB
Rejection (71.2 - 110)	50			dB
Return Loss (at F0) ¹	14			dB
Operating temperature	0		65	deg C
Source/Load impedance		50		Ω
Material	Quartz			

Notes: 1. When matched with optimum component values.

PACKAGE OUTLINE

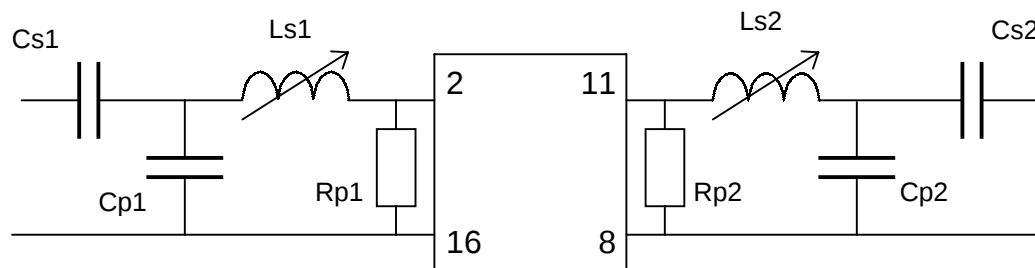


Units: mm

Pin Configuration:

Input: 2
Output: 11
Output Return: 8
Ground: All other pins

MATCHING CIRCUIT



Typical component values:

(minimum inductor Q = 45)

Rp1 = 1.5 k Ω
Rp2 = 1.0 k Ω
Ls1 = Ls2 = 150 nH (Variable: TOKO BTKENS-T-1045Z)
Cp1 = 75 pF
Cp2 = 82 pF
Cs1 = Cs2 = 47 pF

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

ISO 9001
Registered

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