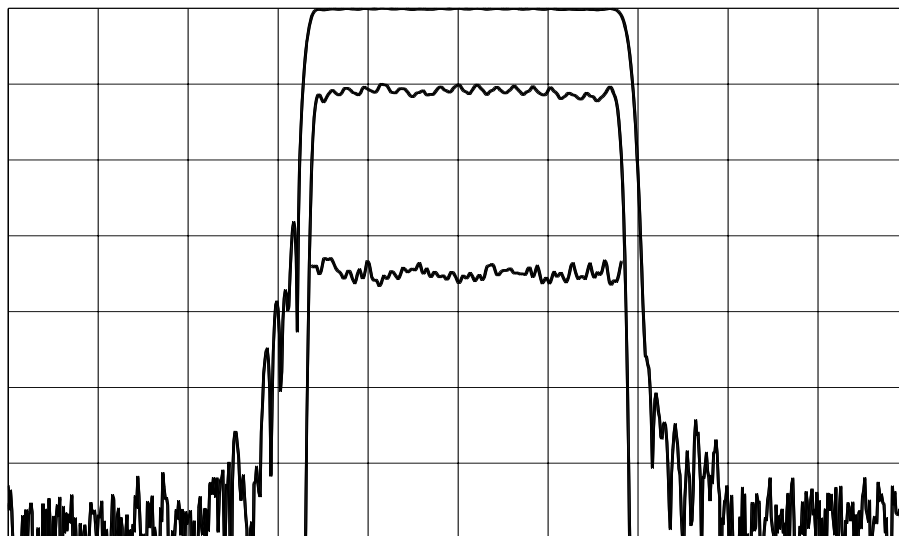




TYPICAL PERFORMANCE



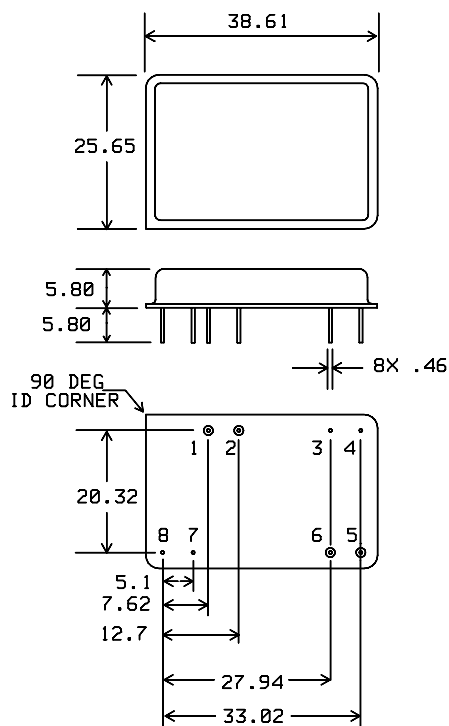
Horizontal: 1.5 MHz/div

Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Group Delay 50 ns/div

SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
F_visual		45.75		MHz
F_color		42.17		MHz
F_audio		41.25		MHz
Center Frequency (Nominal)		44		MHz
Insertion Loss	27		30	dB
1 dB Lower Band Edge			41.55	MHz
1 dB Upper Band Edge	46.55			MHz
Passband Ripple(41.55 - 46.50)		0.3	0.4	dB
Phase Deviation (41.55-46.50)			12	deg p-p
GD Ripple (41.55 - 46.50)		25	50	ns p-p
K factor, 2 T pulse			1.8	%
C/L delay, 12.5 T pulse	-15		+15	ns
Rejection (10 - 39.8)	45	55		dB
Rejection at 41.25	18			dB
Rejection at 47.0	22			dB
Rejection (47.25 – 70)	45	50		dB
Rejection (70 – 200)	10	40		dB
Absolute Delay		5		μs
Ambient Temperature		40		° C
Temperature Coefficient		-90		ppm / ° C
Source/Load Impedance		50		Ω
Matching Network	None			
Substrate Material	YZ Lithium Niobate			

PACKAGE OUTLINE

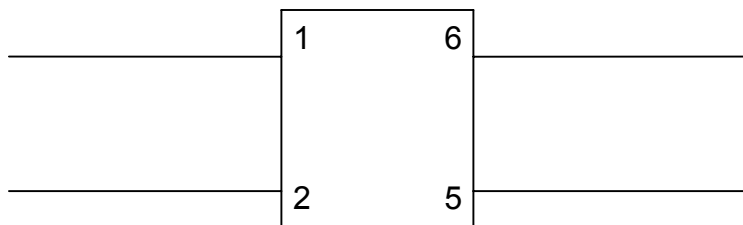


Units: mm

Pin Configuration:

Input: 1
Input Return: 2
Output: 6
Output Return: 5
Ground: All other pins.

MATCHING CIRCUIT



No matching required

ISO 9001
Registered