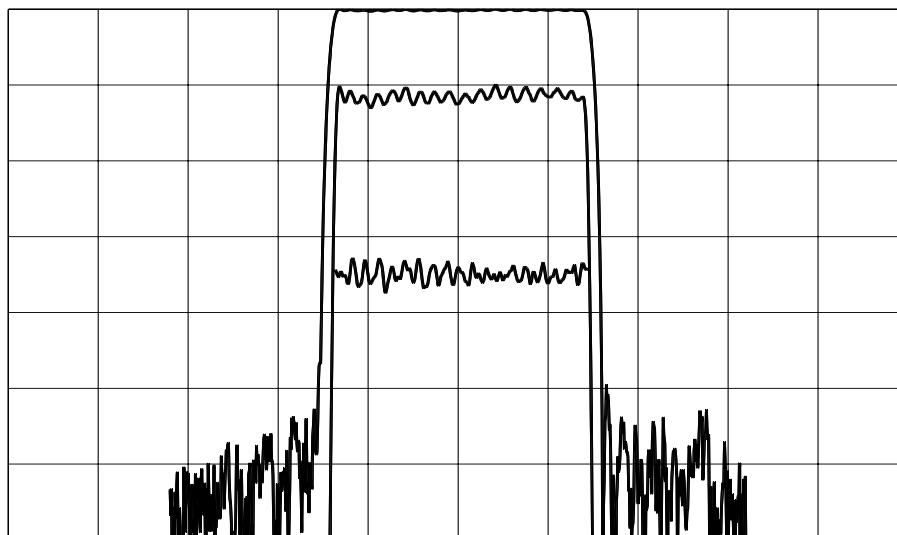




TYPICAL PERFORMANCE



Horizontal: 2.5 MHz/div

Vertical (from top):

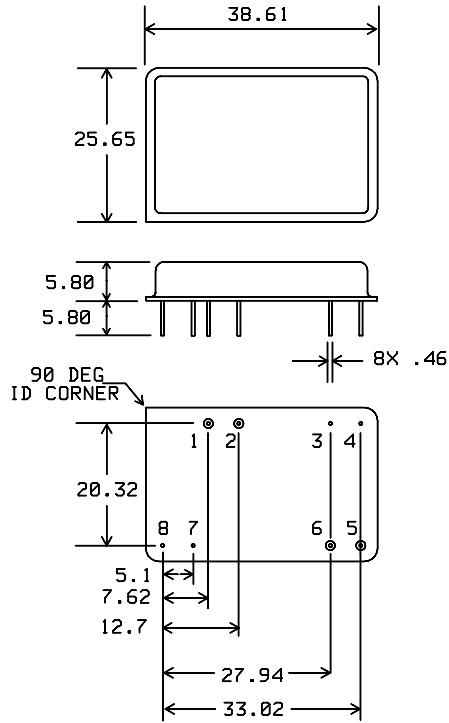
| | | |
|-----------------------|----|---------|
| Magnitude | 10 | dB/div |
| Phase Deviation | 1 | deg/div |
| Group Delay Deviation | 50 | ns/div |

SPECIFICATION

| Parameter | Min. | Typ. | Max. | Units. |
|---------------------------------|--------------------|--------|-------|-----------|
| F_visual | | 32.7 | | MHz |
| F_color | | 38.7 | | MHz |
| F_audio | | 39.2 | | MHz |
| Center Frequency (Nominal) | | 35.375 | | MHz |
| Insertion Loss | 27 | | 30 | dB |
| 1 dB Lower Band Edge | | | 31.95 | MHz |
| 1 dB Upper Band Edge | 38.8 | | | MHz |
| Passband Ripple(32.0 - 38.75) | | 0.25 | 0.5 | dB p-p |
| Phase Ripple(32.0 - 38.75) | | | 6 | deg p-p |
| GD Ripple(32.0 - 38.75) | | 25 | 50 | ns p-p |
| Rejection (10 - 31.25 MHz) | 45 | 55 | | dB |
| Rejection (31.25 - 31.5 MHz) | 18 | | | dB |
| Rejection (39.25 - 39.5 MHz) | 22 | | | dB |
| Rejection (39.5 - 70.0 MHz) | 45 | 50 | | dB |
| Rejection (70.0 - 200 MHz) | 10 | | | dB |
| 2T Pulse K Factor | | 1 | 1.8 | % |
| Absolute Delay | 4 | | 5 | us |
| Ambient Temperature | | 40 | | ° C |
| Temperature Coefficient | | -90 | | ppm / ° C |
| Source/Load Impedance | | 50 | | Ω |
| Matching Network | None | | | |
| Substrate Material | YZ Lithium Niobate | | | |



PACKAGE OUTLINE



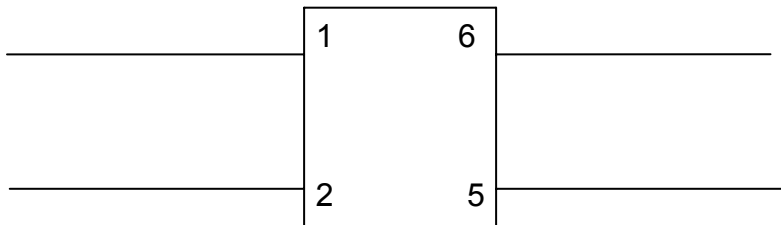
Units: mm

Pin Configuration:

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

MATCHING CIRCUIT

No matching required



ISO 9001
Registered