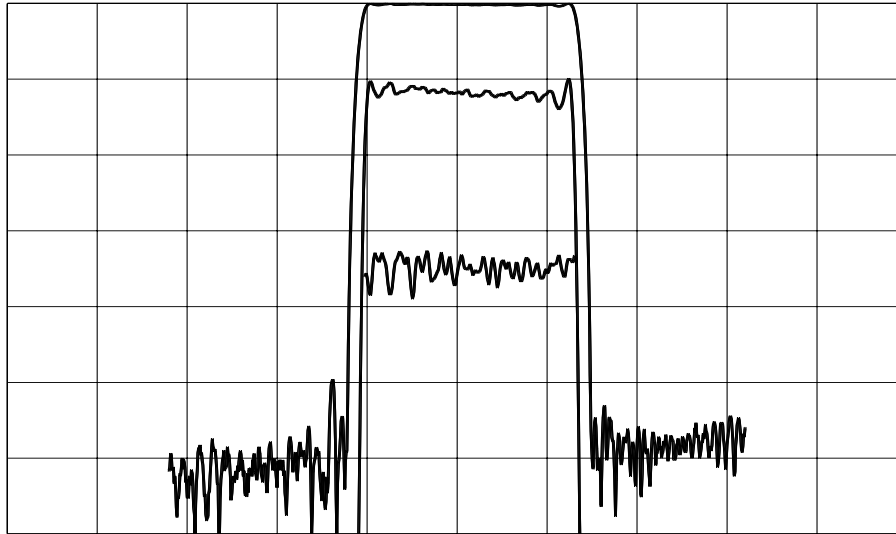


TYPICAL PERFORMANCE



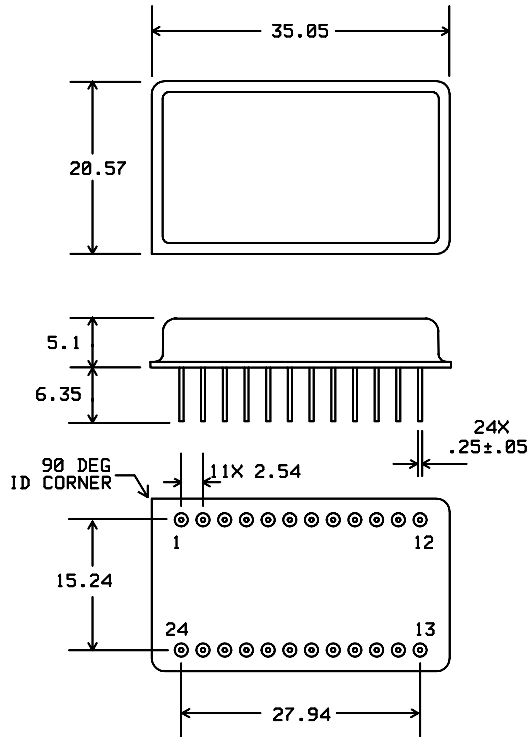
Horizontal: 2.5 MHz/div

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

SPECIFICATION

| Parameter | Min. | Typ. | Max. | Units. |
|--------------------------------|---------------------|------|------|-----------|
| F_visual | | 38.9 | | MHz |
| F_color | | 34.5 | | MHz |
| F_audio | | 33.4 | | MHz |
| Center Frequency (Nominal) | | 36 | | MHz |
| Insertion Loss | | 27.5 | 29 | dB |
| 1 dB Lower Band Edge | | | 33.9 | MHz |
| 1 dB Upper Band Edge | 39.65 | | | MHz |
| Passband Ripple(34.0 - 39.4) | | 0.3 | 0.5 | dB p-p |
| Phase Deviation (33.9 - 39.65) | | 3 | 5 | deg p-p |
| GD Ripple (33.9 - 39.65) | | 40 | 50 | ns p-p |
| Rejection (20 - 32.0) | 50 | 55 | | dB |
| Rejection at 33.4 | 40 | 45 | | dB |
| Rejection at 40.15 | 40 | 45 | | dB |
| Rejection (40.4 - 55.0) | 50 | 55 | | dB |
| 2T K Factor | | 0.5 | | % |
| Pulse to Bar Ratio | | 1.5 | | % |
| Absolute Delay | | 4.5 | | us |
| Ambient Temperature | 37 | 40 | 43 | ° C |
| Temperature Coefficient | | -80 | | ppm / ° C |
| Source/Load Impedance | | 50 | | Ω |
| Matching Network | None | | | |
| Substrate Material | 128 Lithium Niobate | | | |

PACKAGE OUTLINE

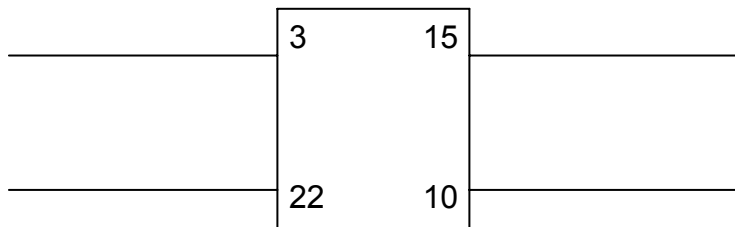


Units: mm

Pin Configuration:

- Input: 3
- Input Return: 22
- Output: 15
- Output Return: 10
- Ground: All other pins.

MATCHING CIRCUIT



No matching required

ISO 9001
Registered