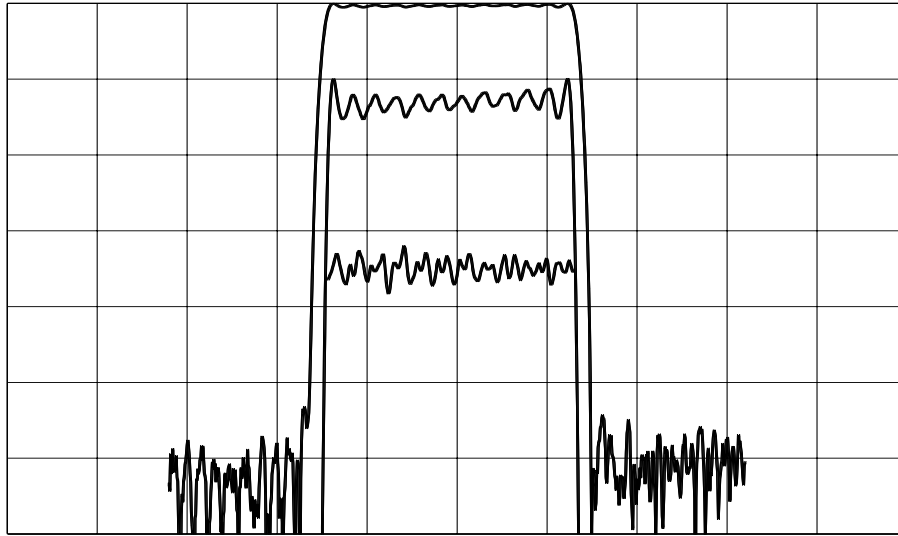


## TYPICAL PERFORMANCE



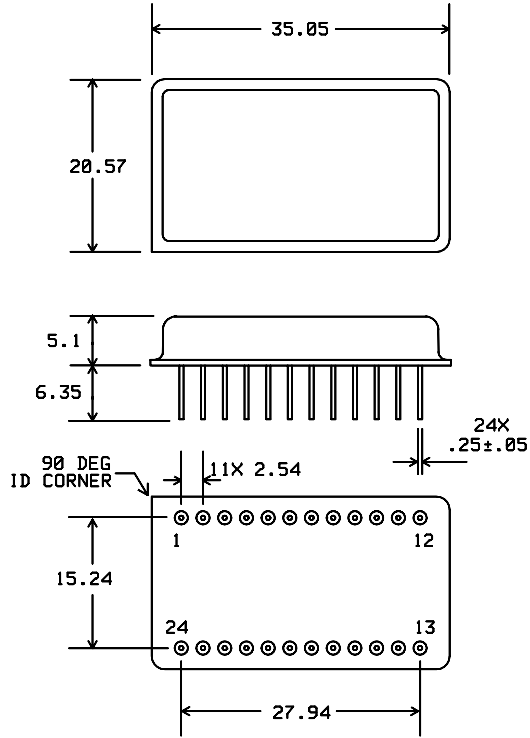
Horizontal: 2.5 MHz/div

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

## SPECIFICATION

| Parameter                       | Min.                | Typical | Max. | Units.  |
|---------------------------------|---------------------|---------|------|---------|
| F_visual                        |                     | 38.9    |      | MHz     |
| F_color                         |                     | 34.5    |      | MHz     |
| F_audio                         |                     | 33.4    |      | MHz     |
| Center Frequency ( Nominal)     |                     | 36      |      | MHz     |
| Insertion Loss                  |                     | 29.5    | 32   | dB      |
| 1 dB Lower band edge            |                     |         | 32.9 | MHz     |
| 1 dB upper band edge            | 39.65               |         |      | MHz     |
| Passband Ripple( 33.15 - 39.4 ) |                     | 0.3     | 0.5  | dB      |
| Phase deviation (32.9 - 39.65)  |                     | 3       | 5    | deg p-p |
| GD Ripple (32.9 - 39.65)        |                     | 40      | 50   | ns p-p  |
| Rejection (20 - 32.0)           | 45                  | 55      |      | dB      |
| Rejection at 32.4               | 25                  | 45      |      | dB      |
| Rejection ( 40.4 - 55.0)        | 45                  | 55      |      | dB      |
| 2T K Factor                     |                     | 0.5     |      | %       |
| Pulse to Bar Ratio              |                     | 1       |      | %       |
| Absolute Delay                  |                     | 4.5     |      | us      |
| Ambient Temperature             | 37                  | 40      | 43   | deg C   |
| Temperature coefficient         |                     | -72     |      | ppm/° C |
| Source/Load impedance           |                     | 50      |      | Ω       |
| Tuning                          | None                |         |      |         |
| Substrate Material              | 128 Lithium Niobate |         |      |         |

**PACKAGE OUTLINE**

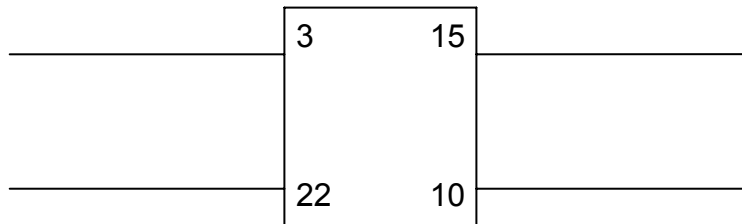


**Units:** mm

**Pin Configuration:**

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

**MATCHING CIRCUIT**



No matching required

ISO 9001  
Registered