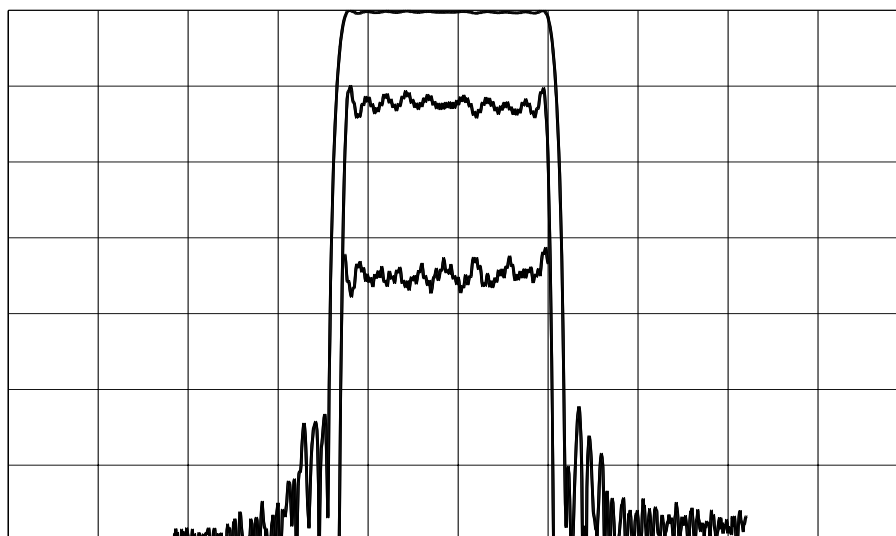




## TYPICAL PERFORMANCE



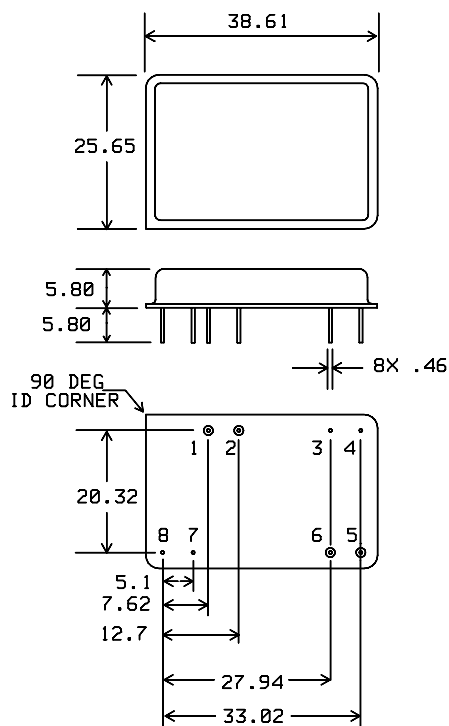
Horizontal: 2.5 MHz/div

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

## SPECIFICATION

| Parameter                       | Min.               | Typ.  | Max. | Units.    |
|---------------------------------|--------------------|-------|------|-----------|
| F_visual                        |                    | 45.75 |      | MHz       |
| F_color                         |                    | 42.17 |      | MHz       |
| F_audio                         |                    | 41.25 |      | MHz       |
| Center Frequency ( Nominal)     |                    | 43.7  |      | MHz       |
| Insertion Loss                  |                    | 22    | 25   | dB        |
| 1 dB Lower Band Edge            |                    |       | 40.9 | MHz       |
| 1 dB Upper Band Edge            | 46.5               |       |      | MHz       |
| Passband Ripple( 41.15 - 46.4 ) |                    | 0.5   | 1    | dB        |
| Phase Deviation (41.15-46.4)    |                    | 3     | 6    | deg p-p   |
| GD Ripple (41.15 - 46.4)        |                    | 50    | 70   | ns p-p    |
| Rejection (20 - 39.75)          | 50                 | 55    |      | dB        |
| Rejection at 47.0               | 40                 | 50    |      | dB        |
| Rejection ( 47.25 - 65.0)       | 50                 | 55    |      | dB        |
| 2T K Factor                     |                    | 0.55  |      | %         |
| Pulse to Bar Ratio              |                    | 1.2   |      | %         |
| Absolute Delay                  |                    | 5     |      | us        |
| Ambient Temperature             |                    | 25    |      | ° C       |
| Operating Temperature range     | 10                 |       | 70   | ° C       |
| Temperature Coefficient         |                    | -90   |      | ppm / ° C |
| Source/Load Impedance           |                    | 50    |      | Ω         |
| Matching Network                | None               |       |      |           |
| Substrate Material              | YZ Lithium Niobate |       |      |           |

## PACKAGE OUTLINE

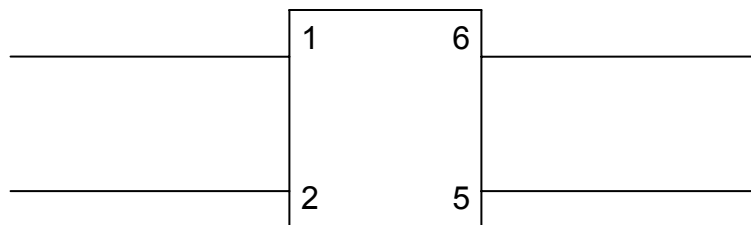


**Units:** mm

### Pin Configuration:

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

## MATCHING CIRCUIT



No matching required

ISO 9001  
Registered