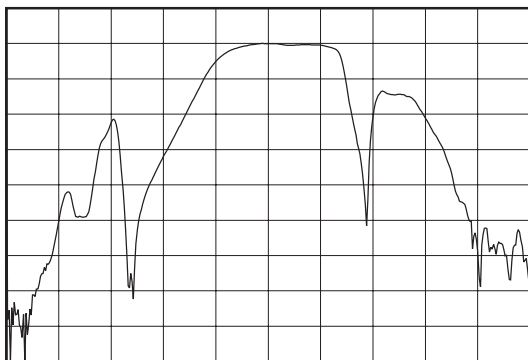
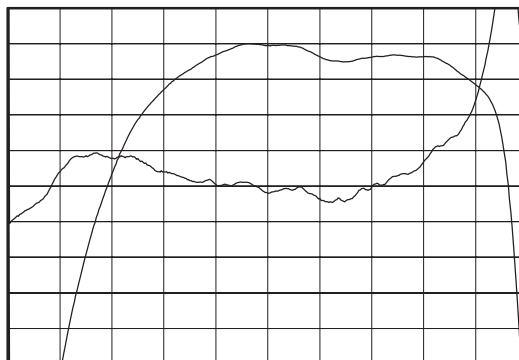


# Data Sheet

## Typical Performance



Horizontal: 1 MHz/Div  
 Vertical: 10 dB/Div



Horizontal: 300 kHz/Div  
 Vertical: 1 dB/Div  
 Vertical: 150 nsec/Div

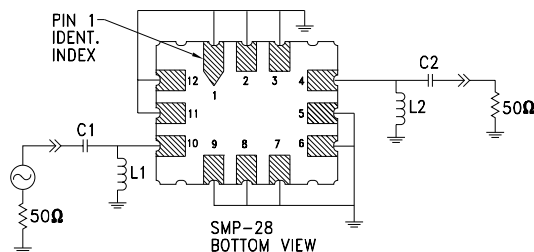
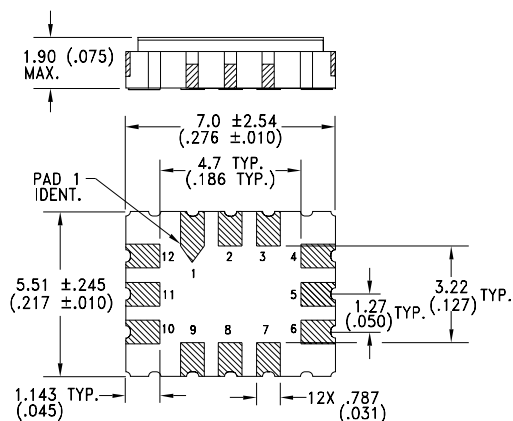
## Specifications

| Parameter                               | Unit | Minimum | Typical            | Maximum |
|-----------------------------------------|------|---------|--------------------|---------|
| Center Frequency                        | MHz  | -       | 160                | -       |
| Insertion Loss                          | dB   | -       | 3.3                | 5.5     |
| 0.5 dB Lower Frequency                  | MHz  | -       | 159.6              | 159.9   |
| 0.5 dB Upper Frequency                  | MHz  | 160.1   | 160.8              | -       |
| 10 dB Lower Frequency                   | MHz  | 158.2   | 158.7              | -       |
| 10 dB Upper Frequency                   | MHz  | -       | 161.3              | 161.8   |
| 30 dB Lower Frequency                   | MHz  | 154     | 156.7              | -       |
| 30 dB Upper Frequency                   | MHz  | -       | 163.2              | 166     |
| Amplitude Variation (159.9 - 160.1 MHz) | dB   | -       | 0.1                | 0.5     |
| Delay Variation (159.9 - 160.1 MHz)     | nsec | -       | 30                 | 300     |
| Substrate Material                      | -    | -       | LiTaO <sub>3</sub> | -       |
| Operating Temperature Range             | °C   | 0       | 25                 | 70      |

## Package Outline

## Matching Configuration

Specifications subject to change or obsolescence without notice.



L1 = 120 nH , L2 = 132 nH  
 C1 = 12 pf , C2 = 12 pf  
 Nominal Source/Load Impedance = 50Ω  
 Package Style SMP-28

7/18/00