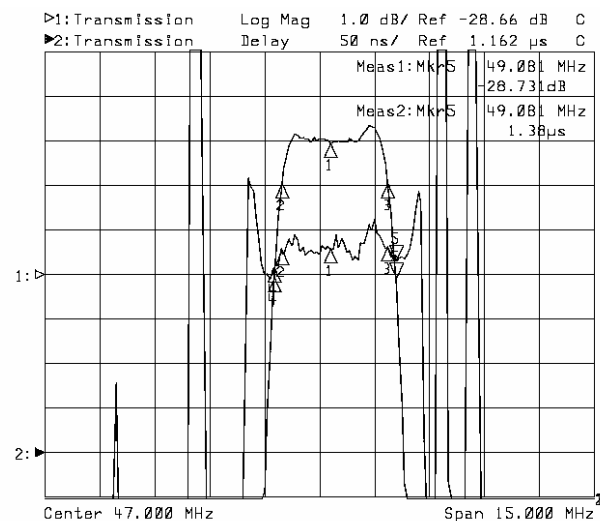
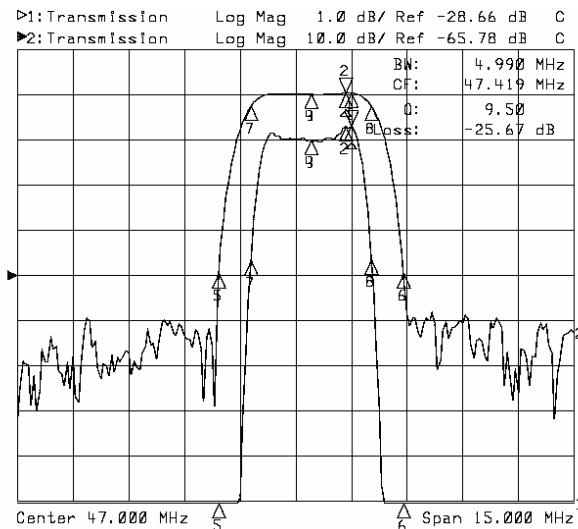


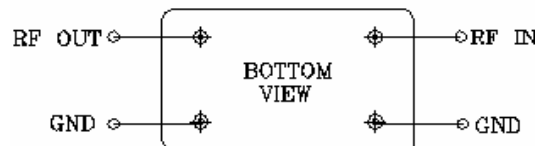
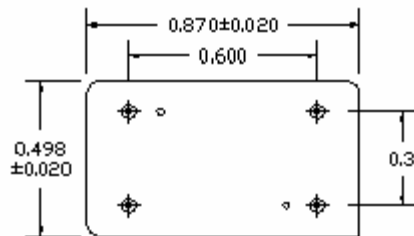
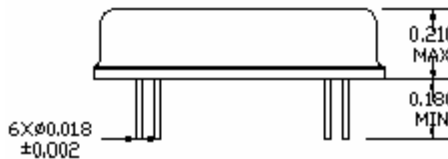
## 1. Specifications

| Parameter                        | Unit | Minimum | Typical            | Maximum |
|----------------------------------|------|---------|--------------------|---------|
| Center Frequency                 | MHz  | 47.30   | 47.40              | 47.50   |
| Insertion Loss at F <sub>0</sub> | dB   |         | 26.00              | 36.80   |
| 1 dB Bandwidth                   | MHz  | 2.65    | 2.95               |         |
| 3 dB Bandwidth                   | MHz  | 3.10    | 3.25               |         |
| 40dB Bandwidth                   | MHz  |         | 4.98               | 5.12    |
| Group Delay Variation            | nsec |         | 40                 | 50      |
| Passband Variation               | dB   |         | 0.40               | 0.60    |
| Absolute Delay                   | usec |         | 1.30               | 1.32    |
| Ultimate Rejection               | dB   | 45      | 48                 |         |
| Substrate Material               | -    |         | LiTaO <sub>3</sub> |         |
| Ambient Temperature              | °C   | -40     | 25                 | 80      |

## 2. Typical Performance



## 3. Package



No Matching Required  
Source/Load Impedance=50ohm  
Package Style XI

## 4. Marking

S047M030