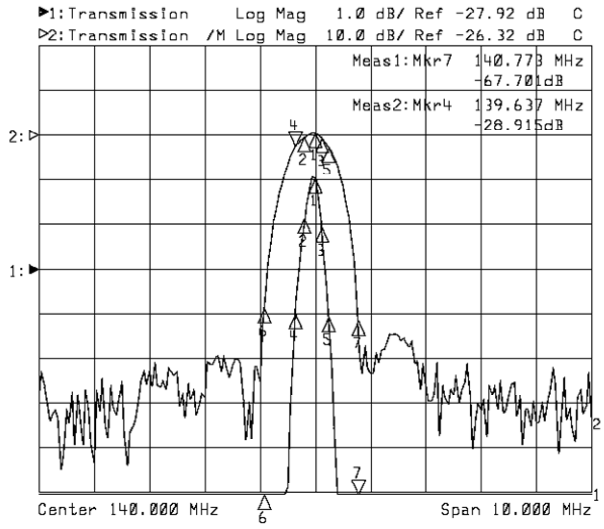
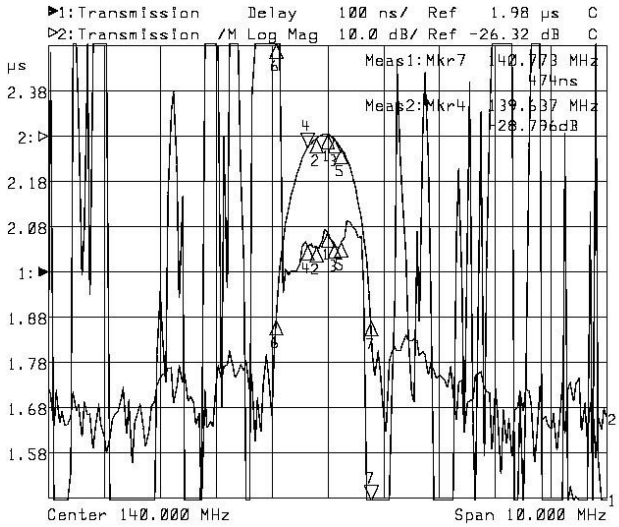
## 1. Specifications

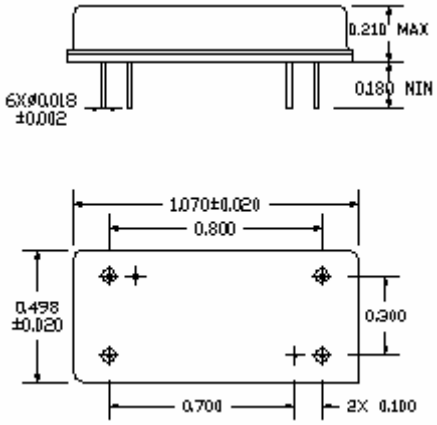
| Parameter | Unit | Minimum | Typical | Maximum |
|---|---|---|---|---|
| Center Frequency | MHz | 139.95 | 140.00 | 140.05 |
| Insertion Loss at $F_0$ | dB | | 25.00 | 26.00 |
| 1 dB Bandwidth | MHz | 0.28 | 0.30 | |
| 3 dB Bandwidth | MHz | 0.56 | 0.60 | |
| 40dB Bandwidth | MHz | | 2.00 | 2.20 |
| Passband Variation | dB | | 0.40 | 0.50 |
| Group Delay Variation | nsec | | 100 | 120 |
| Absolute Delay | usec | | 2.10 | 2.12 |
| Ultimate Rejection | dB | 42 | 45 | |
| Substrate Material | - | | Quartz | |
| Ambient Temperature | ℃ | -40 | 25 | 80 |

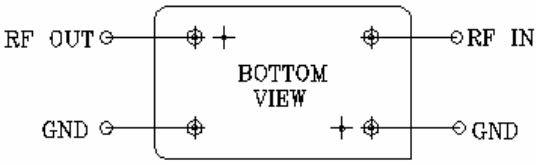
## 2. Typical Performance




## 3. Package




No Matching Required
Source/Load Impedance=50ohm
Package Style X0

## 4. Marking

**S140M005**