

SMD ONE PORT 390 MHz SAW RESONATOR

ASR390E



RoHS
Compliant



5 x 5 x 1.5mm

STANDARD SPECIFICATIONS:

| CHARACTERISTICS | | UNIT | MIN. | TYP. | MAX. |
|--------------------------|-------------------------------------|---------------------|----------------|--------|---------|
| Center Frequency Fo | | MHz | 389.900 | 390.00 | 390.100 |
| Tolerance from Fo | | KHz | | ±75 | |
| Insertion Loss | | dB | - | 1.2 | 2.0 |
| Quality Factor | Unloaded | - | | 11,500 | |
| | 50Ω loaded | | | 1,800 | |
| Temperature Stability | Turnover Temperature | °C | | 25 | |
| | Turnover Frequency | KHz | | Fo+7.7 | |
| | Freq. Temp. Coefficient | ppm/°C ² | | 0.037 | |
| Frequency Aging | | ppm/year | | | <±10 |
| DC Insulation Resistance | | MΩ | 1.0 | | |
| RF Equivalent RLC Model | Motional Resistance R ₁ | Ω | | 22 | 100 |
| | Motional Inductance L ₁ | μH | | 83 | |
| | Motional Capacitance C ₁ | fF | | 1.97 | |
| | Shunt Capacitance C ₀ | pF | 2.0 | 3.0 | 4.0 |
| Operating temp. | | °C | -45°C to +85°C | | |
| Storage temp. | | °C | -45°C to +85°C | | |
| Max. Rating | DC voltage | V | ±10 | | |
| RF Power Dissipation | | dBm | 0 | | |

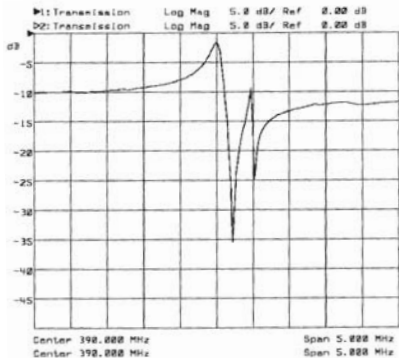
Data measured with: Source Impedance: Z_s=50Ω, Load Impedance: Z_L=50Ω, T_A=25°C
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

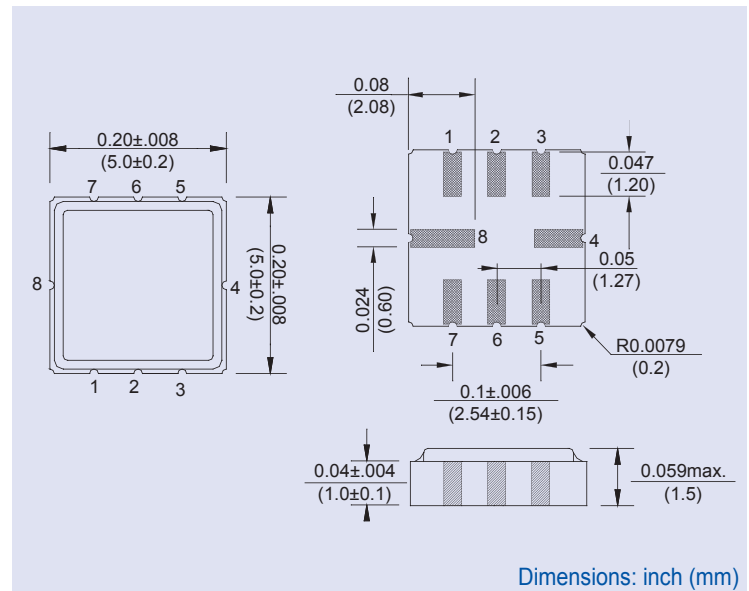
- 390R (390 Frequency in MHz)
- AZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004; X: Traceability code)

| PIN NO. | CONNECTIONS |
|---------|-------------|
| 2 | Input |
| 6 | Output |
| 4,8 | Case GND |
| Others | GND |

FREQUENCY RESPONSE:



OUTLINE DRAWING:



Dimensions: inch (mm)

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