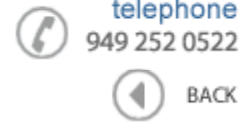




**Data Sheet**



Product Category: SMD Quartz Crystal

Series Number	Package	Description	Last Modified
269	6x3.5mm Chip Type	2 Pad Quartz Crystal	July 28 2008

**FEATURES**

- 6x3.5mm Chip Type
- Low profile 2 pad quartz crystal
- Tight stability / High reliability
- Cost Efficient
- Tape and Reel
- RoHS / Lead Free compliant

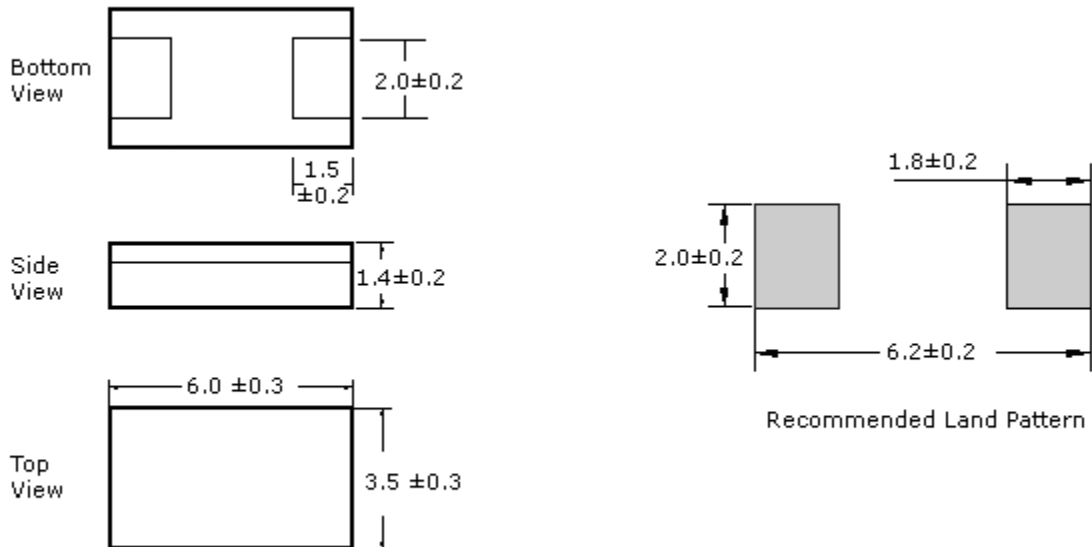


**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS		CHARACTERISTICS	UNITS
Frequency Range	fo	12.00 ~ 40.00	MHz
Frequency Tolerance	@ 25°C	±30	ppm
Frequency Stability	Ta = -20 +70°C	±50	ppm
Operating Temperature	TOPR	-20 ~ +70	°C
Storage Temperature	TSTG	-40 ~ +85	°C
Shunt Capacitance	Co	7.0 max.	pF
Load Capacitance	CL (Customer Specified)	18 ~ 30, Series	pF

**EQUIVALENT SERIES RESISTANCE / MODE OF OSCILLATION**

FREQUENCY RANGE (MHz)	MODE	MAX ESR Ohm
12.000 ~ 16.000	Fundamental	60
16.001 ~ 40.000	Fundamental	40

**PACKAGE DIMENSIONS (mm)****PART NUMBER GUIDE**

Series Number	Frequency	Load Capacitance	Operating Temp ( °C )	Packaging**
<b>269</b>	<b>- 12.0M</b>	<b>- 20</b>	<b>- S</b>	<b>- TR</b>
Oscilent	Enter frequency e.g. 12.0M for 12.000 MHz	Enter capacitance e.g. -20 for 20pF . Enter -SR for Series Resonance.	S = -20~+70	Blank* = Bulk TR = Tape/Reel
<p><b>NOTE:</b> Deviations on all parameters available. Please consult Oscilent for details.</p> <p><b>DEFINITIONS:</b> Click on the characteristic names above for definitions of that particular characteristic.</p> <p><b>*STANDARDS:</b> "Blank" part number selections indicate standard variables for that particular characteristic.</p> <p><b>**PACKAGING:</b> Click on the packaging name above for tape/reel specifications</p>				

**Oscilent Corporation** - CALL **949.252.0522**

**Series No.:** 269

18195 East McDermott Street . Building D . Irvine . CA 92614 . USA  
 Fax: 949.252.0599 . E-Mail: Sales@Oscilent.com