

Package	Description
5 x 3.2 (4 Pad)	SMD Quartz Crystal

Features

- 1.0mm max low profile
- Tight stability/ High reliability
- Wide frequency range
- Tape and Reel
- RoHs/ Lead Free compliant



Electrical Characteristics

Parameter	Conditions	Characteristics	Units
Frequency Range	f ₀	12.000 ~ 36.000	MHz
Frequency Tolerance	@ 25°C	±10 ~ ±50	PPM
Frequency Stability	T _a = -10 ~ +70°C	±10 ~ ±100	PPM
Operating Temperature	T _{OPR}	-10 ~ +60, (Ext Temp Avail.)	°C
Storage Temperature	T _{STG}	-40 ~ +85	°C
Shunt Capacitance	C ₀	7.0 max.	pF
Load Capacitance	CL (Customer Specified)	16, 20, 30, Series	pF
Drive Level	-	50	μW
Insulation Resistance	at 100V DC	500 min.	Mohms
Aging	-	±2	ppm/Y

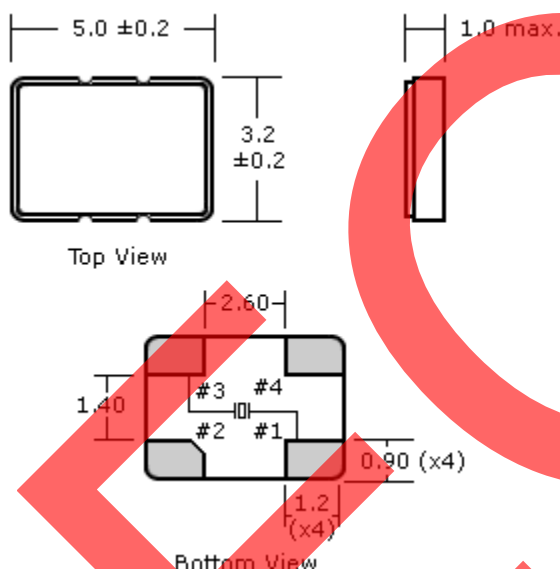
Operation Mode and Motional Resistance

Frequency Range	Mode	Ohm Max
12.000 ~ 16.000	Fundamental	90
16.000 ~ 36.000	Fundamental	60

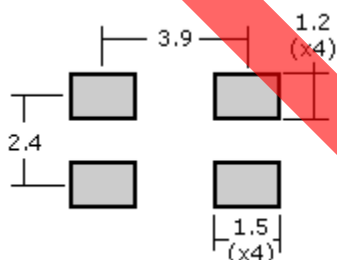
Part Numbering Guide

Series Number	Frequency	Load Capacitance	Tolerance @ +25oC	Tolerance Over Temp (oC)	Operating Temp (oC)	Packaging
276	- 12.0M	- SR	- 05	G	R	- TR
Oscilent 5 x 3.2 SMD	e.g. 14.0M for 14.000 MHz OR enter any desire frequency.	Enter desired capacitance here. <u>See table below</u> for standard load capacitance e.g. -20 for 20pF or Enter SR for Series.	Blank * = ± 30 PPM or Fill in E.G 05 = ± 5 PPM 25 = ± 25 PPM Avail. = $\pm 5 \sim \pm 100$	Blank* = ± 50 PPM G = ± 30 PPM H = ± 20 PPM L = ± 10 PPM N = ± 100 PPM	P = 0~+50 R = -10~+60 S = -20~+70 T = -30~+80 W = -40~+85	Blank* = Bulk TR = Tape/Reel
NOTE: Deviations on all parameters available. Please consult Oscilent for details. *STANDARDS: "Blank" part number selections indicate standard variables for that particular characteristic.						

Package Dimensions



Solder Pad Layout



All Dimensions in Millimeters

- 1000 pieces per reel
- Compliant to EIA-481
- All Dimensions in Millimeters

