

## Microprocessor Crystals

### Specifications:

Nominal Frequency:	1.0 - 50 MHz
Mode of Vibration:	Fundamental/Third
Holder Type:	QC49A, QC49/S, QC49/SMD
Frequency Tolerance:	+/- 30 or +/- 50 ppm
Load Capacitance:	20 pF/ 30 pF *
Frequency Stability:	+/- 50 ppm
Operating Temperature Range:	-20 to 70 °C
Drive Level (Recommended):	500 µW

\* Other load capacitance values available to suit customer.

### Standard Frequencies (MHz) :

1.000 *	4.194304	8.867238	15.360
1.8432 *	4.433619	9.216	16.000
2.000 *	4.608	9.600	16.128
2.048 *	4.9152	9.8304	16.384
2.4576 *	5.000	10.000	18.000
2.500 *	5.0688	10.1376	18.432
3.000 *	5.120	10.240	19.6608
3.072 *	6.000	10.245	20.000
3.088 *	6.144	11.000	22.000
3.2768 *	6.176	11.0592	24.000
3.579545	6.400	11.98135	24.00014
3.584	6.5536	12.000	24.576
3.6864	7.000	12.250	25.000
3.800	7.3728	12.288	26.690
3.9936	7.9872	12.960	27.145
4.000	8.000	14.31818	30.000
4.032	8.064	14.7456	32.000
4.096	8.192	15.000	38.00053

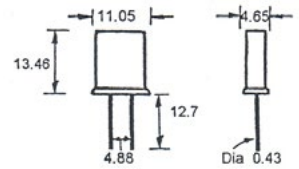
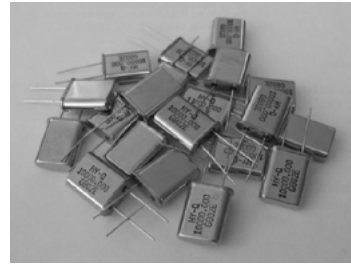
\* Not available in QC49/S or QC49/SMD

### Part Number for Ordering:

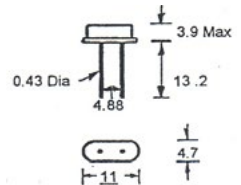
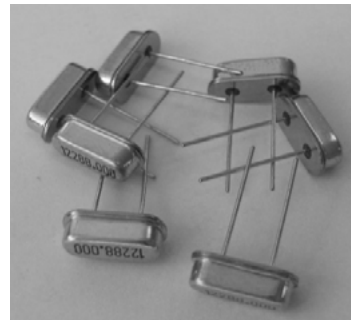
58 - XMAxx.xxxxxx QC49/A Holder xx.xxxxxx Freq. in MHz  
 58 - XMSxx.xxxxxx QC49/S Holder xx.xxxxxx Freq. in MHz  
 58 - XMDxx.xxxxxx QC49/SMD Holder xx.xxxxxx Freq. in MHz  
 e.g. 58-XMA08.867238, 58-XMS10.00000, 58-XMD38.00530

Special Frequencies are available

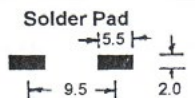
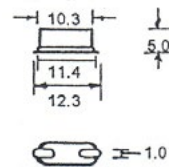
### QC49/A (HC-49/U)



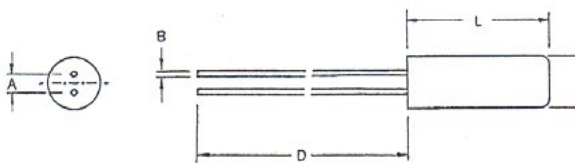
### QC49/S



### QC49/SMD



## Watch Crystals



Dimensions	A mm	B mm	C mm	L Max. mm	D Max. mm
TC38	1.1	0.3	3.0	8.3	9.0
TC26	0.8	0.2	2.0	6.0	5.0

### Specifications:

Nominal Frequency: 32.768KHz  
 Tolerance: ±20ppm  
 Turnover Temperature: 25°C ± 5°C  
 Freq.Temp.Coefficient: -0.034±0.006/°C<sup>2</sup>  
 Load Capacitance: 12.5pF(TC38) 6.0pF(TC26)  
 Series Resistance: 30K Ohms Typical  
 Maximum Drive Level: 1uW  
 Operating Temperature: -10 to +60°C  
 Part Nos. 58 - XMW - TC38, 58 - XMW0.032768