PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

C A 32 C 3 - 30.000MHz

Package
C =HC49/US SMD (4.50mm max. ht.)
CS=HC49/US SMD (3.50mm max. ht.)
CR=HC49/US SMD (3.20mm max. ht.)

Tolerance/Stability
A=±50/100
B=±30/50
C=±15/30
D=±15/50
E=±25/30
F=±25/50
G=±10/30
H=±20/20
J=± 30/30
K=±20/20
L=±10/25
M=±15/15
N=±5/10

Mode of Operation
1=Fundamental (over 25.000MHz AT and BT Cut Available)
3=Third Overtone, 5=Fifth Overtone

Operating Temperature Range
C=0°C to 70°C
E=-20°C to 70°C
F=-40°C to 85°C

Load Capacitance
S=Series, XX=XXpF (Pico Farads)

ELECTRICAL SPECIFICATIONS

Revision: 1994-F

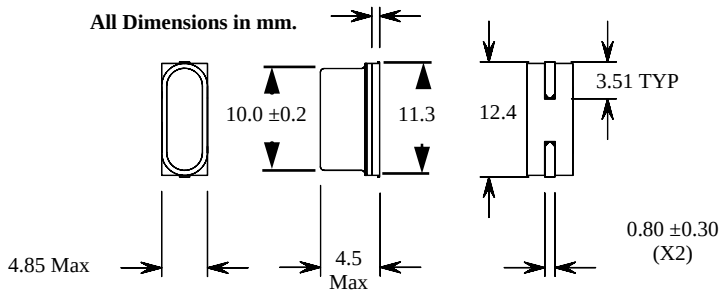
Frequency Range	3.579545MHz to 100.000MHz
Frequency Tolerance/Stability A, B, C, D, E, F, G, H, J, K, L, M	See above for details! Other Combinations Available. Contact Factory for Custom Specifications.
Operating Temperature Range "C" Option, "E" Option, "F" Option	0°C to 70°C, -20°C to 70°C, -40°C to 85°C
Aging	±5ppm / year Maximum
Storage Temperature Range	-55°C to 125°C
Load Capacitance "S" Option "XX" Option	Series 10pF to 50pF
Shunt Capacitance	7pF Maximum
Insulation Resistance	500 Megaohms Minimum at 100Vdc
Drive Level	2mWatts Maximum, 100uWatts Correlation
Solder Temp. (max) / Plating / Moisture Sensitivity	260°C / Sn-Ag-Cu / None

EQUIVALENT SERIES RESISTANCE (ESR)

Frequency (MHz)	ESR (ohms)	Frequency (MHz)	ESR (ohms)	Frequency (MHz)	ESR (ohms)
3.579545 to 4.999	120	9.000 to 12.999	50	26.000 to 39.999	100 (3rd OT)
5.000 to 5.999	80	13.000 to 19.000	40	40.000 to 75.000	80 (3rd OT)
6.000 to 6.999	70	20.000 to 29.000	30		
7.000 to 8.999	60	30.000 to 50.000 (BT Cut)	40		

MECHANICAL DIMENSIONS

All Dimensions in mm.



Marking Guide

12.000CYM

12.000 = Frequency
C = Caliber Electronics Inc.
YM = Date Code (Year/Month)