PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

A A 32 C 3 - 30.000MHz - I - AT

Package
A=HC49/U

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=± 5/10
K=±20/20
L=±10/25
M=±15/15
N=±10/10ppm

Configuration Options
I=Insulator Tab, TR=Tape and Reel (ammo for thru-hole), L=Third Lead
L3=Third Lead/Base Mount, V=Vinyl Sleeve, AT=Cut of Quartz
SP=Spring Mount, G-Gull Wing, G1=Gull Wing/Metal Jacket

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
G=-20°C to 85°C / F=-40°C to 85°C

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

ELECTRICAL SPECIFICATIONS

Revision: 1994-D

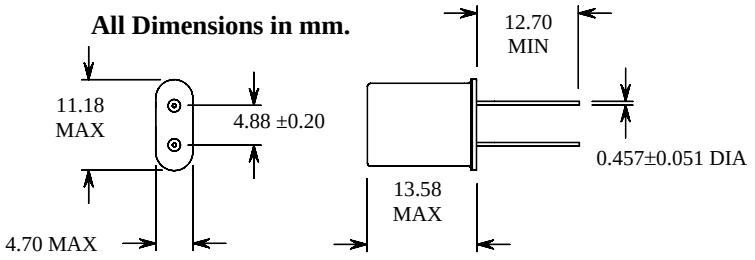
Frequency Range	1.000MHz to 200.000MHz
Frequency Tolerance/Stability A, B, C, D, E, F, G, H, J, K, L, M	See above for details! Other Combinations Available. Contact Factory for Custom Specifications.
Operating Temperature Range “C” Option, “E” Option, “F” Option	 0°C to 70°C, -20°C to 70°C, -40°C to 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 maximum / Sn-Ag-Cu / None

EQUIVALENT SERIES RESISTANCE (ESR)

Frequency (MHz)	ESR (ohms)	Frequency (MHz)	ESR (ohms)	Frequency (MHz)	ESR (ohms)
1.000	2000	3.579545	180	6.000 to 6.400	50
1.8432	650	3.6864	150	7.15909 to 7.3728	40
2.000	550	3.93216 to 4.000	120	8.0640 to 9.8304	35
2.4576	350	4.096	100	10.000 to 12.28890	30
3.000	250	4.194304 to 4.9152	80	12.960 to 30.000 (Fund)	25
3.2768	200	5.000 to 5.068	65	24.000 to 50.000 (3rd OT)	40

MECHANICAL DIMENSIONS

All Dimensions in mm.



Marking Guide

Line 1:	Caliber
Line 2:	Part Number
Line 3:	Frequency
Line 4:	Date Code