

SPECIFICATION

FEEQUENCY RANGE	1.0-100.0MHz
OSCILLATION MODE	AT CUT Fundamental, 3rd, 5th
FREQUENCY TOLERANCE	$\pm 20, \pm 30, \pm 50$ ppm at 25
OPERATING TEMPERATURE CHARATERISTICS	See table 1
LOAD CAPACITANCE	Series, 16,20,30,32pF or special
DRIVE LEVEL	From 100 μ W to 500 μ W
Parallel capacitance	7.0pF max or special
SERIES RESISTANCE	See table 2
INSULATION RESISTANCE	More than 500M at DC 100V
AGING	± 5 ppm/year
MEASURE INSTRUMENT	Saunders 250B

HC-49/U

table 1

Frequency stability (ref.to 25)

operating temp	± 20 ppm	± 30 ppm	± 50 ppm
0-50	O	O	O
-10 - 60	O	O	O
-20 - 70		O	O

table 2

Equivalent series resistance (ESR)

Frequency(MHz)	Mode	ESR(max)
1.8-2.9	Fundamental	300-500
3-4.9	Fundamental	90-120
5-6.9	Fundamental	50-70
7-9.9	Fundamental	30-50
10-19.9	Fundamental	30-40
20-33.0	Fundamental	30
25-29.9	3rd overtone	40
30-49.9	3rd overtone	40-50
50-69.9	3rd overtone	50-60
70-80	3rd overtone	60-70
70-100	3rd overtone	100

