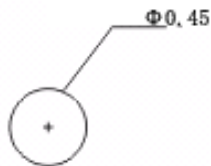
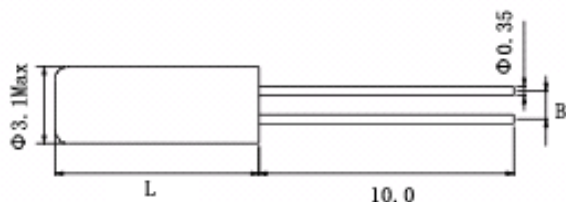


SPECIFICATION

FREQUENCY RANGE	3.5-52.0 MHz
OSCILLATION MODE	AT CUT Fundamental, 3rd
FREQUENCY TOLERANCE	±20, ±30, ±50ppm at 25
OPERATING TEMPERATURE CHARACTERISTICS	See table 1
LOAD CAPACITANCE	Series, 16, 20, 30, 32pF or special
DRIVE LEVEL	From 100 μW to 500 μW
Parallel capacitance	7.0pF max or special
SERIES RESISTANCE	See table 2
INSULATION RESISTANCE	More than 500M at DC 100V
AGING	±5ppm/year
MEASURE INSTRUMENT	Saunders 250B

DIMENSIONS

AT-38A



TYPE	L	B
A	10.3	1.1
B	9.3	1.1
C	8.3	0.8, 1.1

table 1

Frequency stability (ref.to 25)

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

table 2

Equivalent series resistance (ESR)

Frequency(MHz)	Mode	ESR(max)
3.5-4.9	Fundamental	200
5.0-5.9	Fundamental	150
6.0-7.9	Fundamental	120
8-8.9	Fundamental	90
9.0-9.9	Fundamental	80
10.0-14.9	Fundamental	70
15.0-15.9	Fundamental	60
16.0-23.9	Fundamental	50
24.0-30.0	Fundamental	40
30.0-52.0	3rd overtone	100