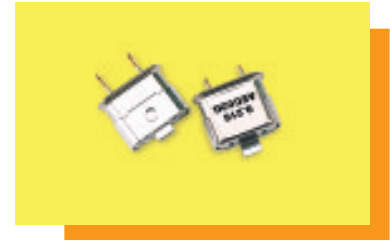


## Features

- ★ Precise tolerance and stability over temperature
- ★ Offer fitted insulators & 3 pins
- ★ SMD with metal jacket
- ★ Large range of choice of frequency
- ★ Resistance weld

## Applications

- ★ Microcomputer
- ★ Cordless phones
- ★ Pagers
- ★ Communication equipment



## Specifications (Characteristics)

Item	Symbol	Specifications
Frequency Range	f	9.0 ~ 160MHz
Vibration Mode	-	Fund (9.0 ~ 40MHz) 3rd O/T (25 ~ 100MHz) 5th O/T (75 ~ 160MHz)
Frequency Tolerance at 25°C	$\Delta f/f$	$\pm 10$ ppm $\pm 20$ ppm $\pm 30$ ppm ★
Frequency Stability in Operating Temp. Range	$\Delta f/f$	$\pm 10$ ppm $\pm 20$ ppm $\pm 30$ ppm ★
Load Capacitance	CL	10 ~ 32pF or series
Operating Temp. Range	Topr	-10°C ~ +60°C ★ -30°C ~ +80°C
Storage Temp. Range	Tstg	-40°C ~ +85°C
Equivalent Series Resistance (ESR)	Rs	See Table 1
Drive Level	PWR	1mW Max.
Shunt Capacitance	C0	7.0pF Max.
Aging	fa	$\pm 3$ ppm /Year (Max)
Packing		Bulk 100pcs per polybags, 500pcs per inner box, 10,000 pcs per export carton  Tape and Reel Packages 1,000pcs per reel 10,000pcs per export carton

★ Commonly Used

## Part Number and Ordering

Part Number Code	Holder Type + Frequency + Mode of Vibration+ Tolerance/Stability + RS + CL
Ordering Code	Same as Above
Example	UM-5/J-SMD-49.860M-3rd -10/10-50Ω-32P

## Dimension (Unit: mm)

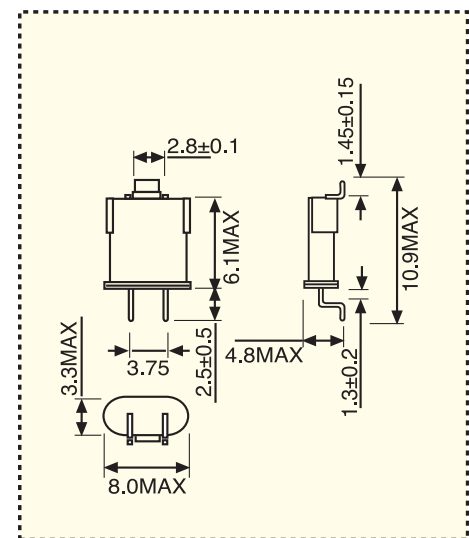


Table 1

Frequency Range (MHz)	Vibration Mode	ESR Max (Ω)
9.00 ~ 14.9	Fund.	60
15.00 ~ 40.0	Fund.	35
25.00 ~ 29.9	3rd O/T	60
30.0 ~ 49.9	3rd O/T	35
50.0 ~ 100.0	3rd O/T	60
75.00 ~ 160.0	5th O/T	50