



◆ Features

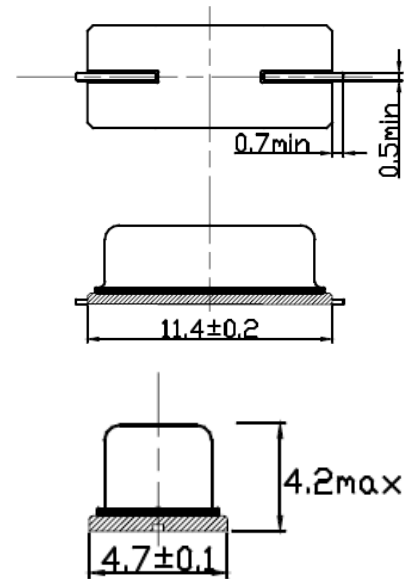
- Wide Frequency Range
- Tight Frequency tolerance and stability
- Low Profile
- Low cost for volume applications



◆ Electrical Specifications

| Parameter | Specification |
|--|--|
| Frequency Range F_0 | 3.200~75.000MHz |
| Frequency Tolerance at 25°C F_L | ± 30ppm(standard), or specify |
| Frequency Stability over Operating Temp. Range T_L | ± 50ppm over -20~+70°C(standard) Or specify |
| Operating Temperature T_0 | -20~+70°C(standard), -10 ~+60°C -40~+85°C, or specify |
| Storage Temperature S_T | -40~+85°C |
| Load Capacitance C_L | 20pf(standard) 8pf~35pf serials are available |
| Shunt Capacitance C_0 | 7pf max. |
| Equivalent Series Resistance R_S | See Below Table |
| Insulation Resistance I_R | 500(DC500 ± 10V)min |
| Drive Lever D_L | 100 μ W Typical |
| Aging@25°C | ± 5ppm Max. |

◆ Mechanical Dimensions (mm)

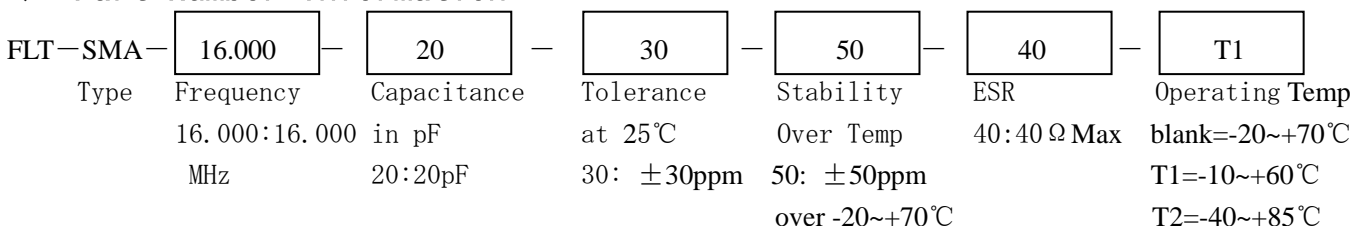


| Type | H |
|----------|-----|
| HC-49SMA | 4.2 |
| HC-49SMB | 3.0 |

◆ Equivalent Series Resistance (ESR) and Mode of Vibration

| Frequency Range | Mode | ESR(Ω Max) | Frequency Range | Mode | ESR(Ω Max) |
|--------------------|------|------------|---------------------|---|------------|
| 3.200MHz~3.500MHz | Fund | 180 | 10.000MHz~13.000MHz | Fund | 50 |
| 3.500MHz~3.800MHz | Fund | 150 | 13.000MHz~30.000MHz | Fund | 40 |
| 3.800MHz~4.100MHz | Fund | 120 | 30.000MHz~35.000MHz | Fund/3 rd Overtone | 30/80 |
| 4.100MHz~5.000MHz | Fund | 100 | 35.000MHz~40.000MHz | Fund/3 rd Overtone | 30/60 |
| 5.000MHz~6.000MHz | Fund | 80 | 40.000MHz~50.000MHz | 3 rd Overtone | 50 |
| 6.000MHz~8.000MHz | Fund | 70 | 50.000MHz~75.000MHz | 3 rd /5 rd Overtone | 40/-- |
| 8.000MHz~10.000MHz | Fund | 60 | 20.000MHz~40.000MHz | BT Fund | 40 |

◆ Part Number Information



Note: All specifications subject to change without notice.