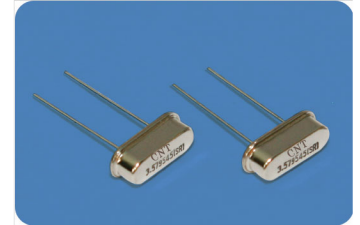


HC-49S、HC-SLIM-49S

FEATURES

- Small size and light weight
- Excellent aging characteristics
- The Frequency stability is good, the reliability is high



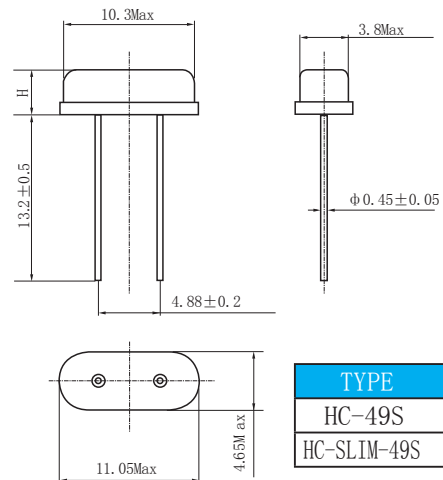
SPECIFICATIONS

ITEM	DESCRIPTION
Frequency range	3.000000MHz~100.000000MHz
Frequency Tolerance(at 25°C)	±30ppm(STD)、±3ppm ~ ±50ppm or specify
Operating Temperature Range	-10°C~+60°C、-20°C~+70°C、-40°C~+85°C or specify
Frequency Stability Over Operating Temp Characteristics	±30ppm(STD)、±3ppm ~ ±50ppm or specify
Equivalent Series Resistance	see table No.1
Storage Temperature Range	-40°C ~ +85°C
Shunt Capacitance (Co)	7.0pF Max
Load Capacitance (CL)	series 16pF、20pF、30pF、32pF or specify
Drive Level	10uw~100uw
Insulation Resistance	500M ohms Min / DC 100V
Aging	±5ppm/year

EQUIVALENT SERIES RESISTANCE(ESR) TABLE No. 1

Frequency Range	Mode	ESR(Ω)
3.000MHz~3.999MHz	Fundamental	150Max
4.000MHz~4.999MHz	Fundamental	130Max
5.000MHz~5.999MHz	Fundamental	120Max
6.000MHz~7.999MHz	Fundamental	80Max
8.000MHz~8.999MHz	Fundamental	60Max
9.000MHz~14.999MHz	Fundamental	50Max
15.000MHz~50.000MHz	Fundamental	30Max
24.000MHz~29.999MHz	3rd Overtone	100Max
30.000MHz~49.999MHz	3rd Overtone	80Max
50.000MHz~100.000MHz	3rd Overtone	60Max

OUTLINE DIMENSIONS (mm)



TYPE	H mm Max
HC-49S	3.5
HC-SLIM-49S	2.5

PART NUMBER

TIM-	XE	F	16.000000	±30	±50	-20°C~+70°C	20	30
Type	oscillator mode	Frequency (MHz)	Frequency tolerance (ppm)	temperature stability (ppm)	operating temperature range	Load capacitance (pf)	ESR(Ω) Max	
XE:HC-49S	F:Fundamental	16.000000:	±30:±30ppm	±50:±50ppm		20:20pf		
XF:HC-SLIM-49S	3:3rd Overtone	16.000000MHz				00:SERIES	30:30Ω Max	