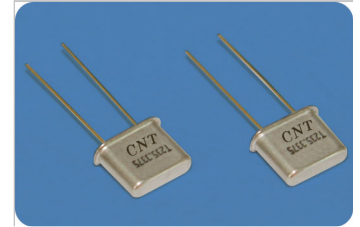


UM-1、UM-5

FEATURES

- Excellent frequency temperature characteristics extending across a wide temperature range
- Excellent aging characteristics
- Excellent shock resistance



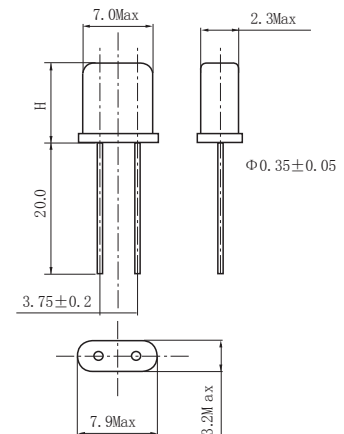
SPECIFICATIONS

ITEM	DESCRIPTION
Frequency range	4.000000MHz~200.000000MHz
Frequency Tolerance(at 25°C)	±10ppm(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	±10ppm(STD)、±3ppm ~ ±50ppm or specify
Equivalent Series Resistance	see table No.1
Storage Temperature Range	-40°C ~ +85°C
Shunt Capacitance (Co)	5.0pF Max
Load Capacitance (CL)	series 16pF、20pF、30pF、32pF or specify
Drive Level	10uw~100uw
Insulation Resistance	500M ohms Min / DC 100V
Aging	±3ppm/year

EQUIVALENT SERIES RESISTANCE (ESR) TABLE No. 1

Frequency Range	Mode	ESR (Ω)
4.000MHz~5.999MHz	Fundamental	100Max
6.000MHz~6.999MHz	Fundamental	80Max
7.000MHz~9.999MHz	Fundamental	60Max
10.000MHz~11.999MHz	Fundamental	50Max
12.000MHz~14.999MHz	Fundamental	40Max
15.000MHz~23.999MHz	Fundamental	30Max
24.000MHz~34.999MHz	Fundamental	25Max
35.000MHz~44.999MHz	3rd Overtone	50Max
45.000MHz~54.999MHz	3rd Overtone	45Max
55.000MHz~59.999MHz	3rd Overtone	40Max
60.000MHz~120.000MHz	3rd Overtone	35Max
100.000MHz~200.000MHz	5th/7th Overtone	100Max

OUTLINE DIMENSIONS (mm)



TYPE	H mm Max
UM-1	8.0
UM-5	6.0

PART NUMBER

TIM-	XJ	F	20.950000	±10	±10	-20°C~+70°C	20	30
Type		±	Frequency (MHz)	Frequency tolerance (ppm)	temperature stability (ppm)	operating temperature range	Load capacitance (pF)	ESR (Ω) Max
XJ:UM-1		F:Fundamental 3:3rd Overtone 5:5th Overtone	20.950000:	±10:±10ppm	±10:±10ppm		20:20pF	
XK:UM-5		7:5th Overtone	20.950000MHz				00:SERIES	35:35 Ω Max