



T48S

CRYSTAL UNITS

T48S

Tuning Fork Crystal

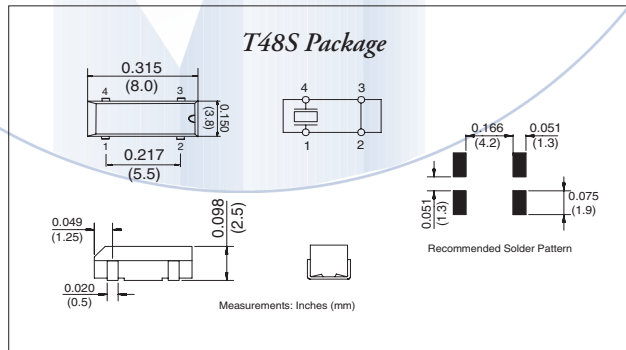
CRYSTAL: T48S Series Tuning Fork

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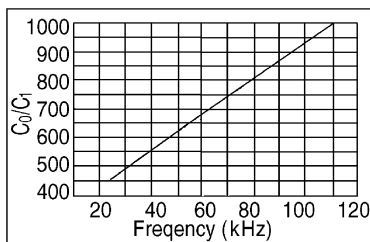
Model: T48S Specifications

Frequency	32.768kHz
Frequency Tolerance	±20 ±30 ±50 ±100 ppm
Load Capacitance	12.5pF (Typical)
Drive Level	1μW max.
Series Resistance	40K Ohms max.
Q-Factor	60K (Typical)
Turnover Temperature	25°C, ±5°C
Parabolic Curvature Constant	-0.042ppm/°C ² /max.
Shunt Capacitance	1.6pF (Typical)
Capacitance Ratio (C ₀ /C ₁)	Refer to chart below
Storage Temperature Range	-40 to +85°C
Shock Resistance	± 3ppm max. (Note 1)
Insulation Resistance	500M Ohms min./DC 100 V

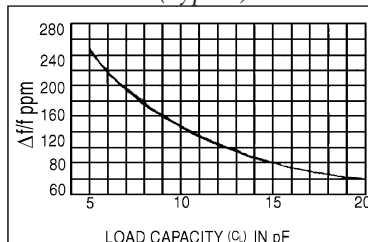
Note 1: Natural drop 2 times on a hard board from 75 cm.



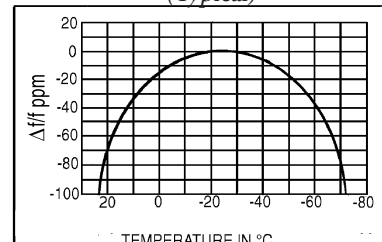
FREQUENCY Vs
CAPACITANCE RATIO (C₀/C₁)



FREQUENCY Vs
LOAD CAPACITANCE
(Typical)



TEMPERATURE
CHARACTERISTICS
(Typical)



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