

PRODUKT-INFO

CM-519 SMD CRYSTAL (UHRENQUARZ) TUNING FORK CRYSTAL

FEATURES

1. Ceramic package of tuning fork crystal units.
2. Ultra miniature and thin type. Best for high density circuit boards.

APPLICATION

Its low power consumption makes it ideal for application in portable equipments. Perfect for Pb-free products.

DSL 32.768

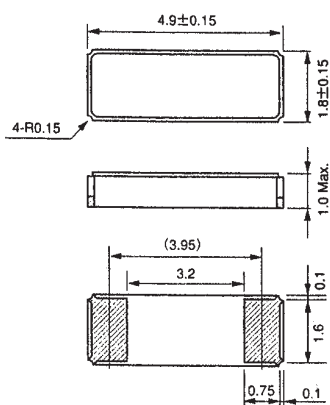


Actual Size

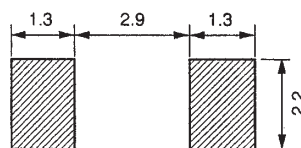


ELECTRICAL SPECIFICATIONS	
Model	CM-519
Nominal Frequency	32.768 kHz
Frequency Tolerance (at +25°C)	±20 ppm
Load Capacitance (C _L)	9.0 pF, 12.5 pF typical
Temperature Coefficient	-0.034±0.006 ppm/°C ² typical
Equivalent Series Resistance (at +25°C)	70 kΩ max.
Drive Level	1 μW max.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Turnover Temperature	+25°C ±5°C
Aging (at +25°C) first year	±3 ppm / year max.
Shunt Capacitance	1.35 pF typical
Q-Factor	57000 typical

Dimensions (Units: mm)

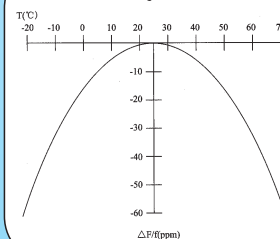


Recommended Soldering Pattern



4.9 x 1.8 x 1.0

Parabolic Temperature Curve



*Crystals...
and more*

Now available

RoHS
COMPLIANT
2002/95/EC

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All specifications subject to change without notice.