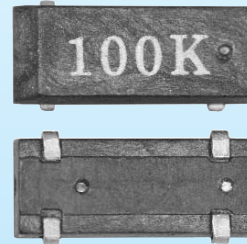


PRODUKT-INFO

MM-25S SMD CRYSTAL LOW FREQUENCY TUNING FORK CRYSTAL

FEATURES

1. Plastic package.
2. Embedded with heat resistant cylinder type crystal bring highly stable characteristics.
3. Automatic mounting and reflowable type.



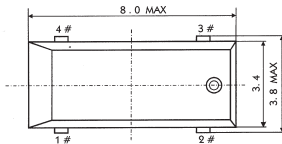
Actual Size

100K

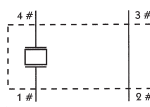
ELECTRICAL SPECIFICATIONS

Model	MM-25S
Nominal Frequency	30.0 kHz ~ 100.0 kHz
Frequency Tolerance (at +25°C)	±20 ppm / ±30 ppm / ±50 ppm
Turnover Temperature	+25°C ±5°C
Temperature Coefficient	-0.034 ppm/°C ² typical
Operating Temperature Range	-10°C to +60°C, -40°C to +85°C option
Storage Temperature Range	-55°C to +125°C
Load Capacitance (C _L)	12.5 pF typical (Customer Spec.)
Motional (Series) Resistance	50 kΩ max.
Shunt Capacitance	0.8 ~ 1.7 pF typical
Drive Level	1 μW max.
Aging (at +25°C) first year	±5 ppm / year max.

Dimensions (Units: mm)

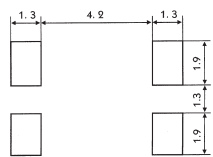


Internal Connection

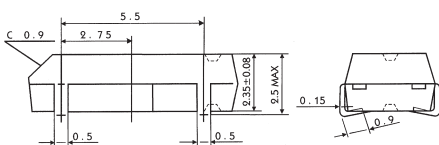


Do not connect #2 and #3 to external device.

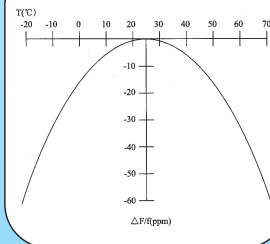
Recommended Solder Pattern



8.0 x 3.8 x 2.5



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All specifications subject to change without notice.