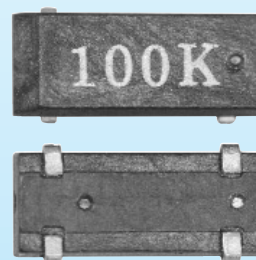


# PRODUKT-INFO

## 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.

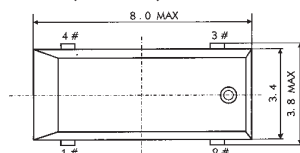


Actual Size

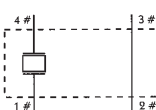
100K

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 <sup>2</sup> 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 <sub>L</sub> )	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)

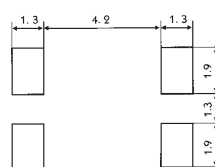


Internal Connection

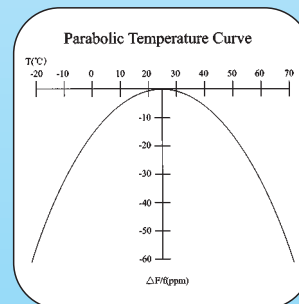
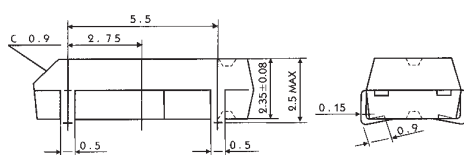


Do not connect #2 and #3 to external device.

Recommended Solder Pattern



8.0 x 3.8 x 2.5



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All specifications subject to change without notice.