Transko

CS52

RoHS Compliant

MINIATURE CERAMIC SMD TUNING FORK CRYSTAL (4.9 x 1.8x 1.0mm)

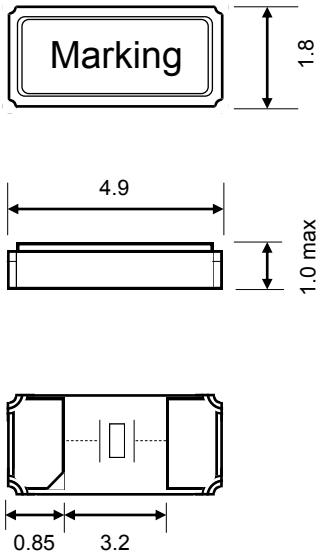
FEATURES:

- SMALL CERAMIC SMD PACKAGE TUNING FORK
- EXCELLENT HEAT RESISTANCE
- -40°C ~ 85°C OPERATING TEMPERATURE

■ SPECIFICATION

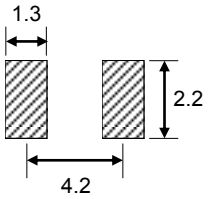
FREQUENCY RANGE	32.768kHz
FREQUENCY TOLERANCE @ 25ºC	STD: ±20ppm, Option : ±10ppm available (Consult factory)
TEMPERATURE COEFFICIENT	-0.034ppm ±0.006 ppm / ºC^2
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C
STORAGE TEMPERATURE RANGE	-55°C ~ 125°C
TURN OVER TEMPERATURE	25°C ± 5°C
LOAD CAPACITANCE	12.5pF typ. 9.0pF available
SHUNT CAPACITANCE	1.35pF typ.
MOTIONAL CAPACITANCE	0.002pF typ.
EQUIVALENT SERIES RESISTANCE	70kΩ max.
INSULATION RESISTANCE	500MΩ min. @ 100V_{DC} ± 15V_{DC}
DRIVE LEVEL	0.1µW typ. 1.0µW max.
AGING @ 25°C ± 3°C	±3.0ppm/ 1st year max.
QUALITY FACTOR	20000 min.
SHOCK	±5.0ppm max.
VIBRATION	±5.0ppm max.

■ PACKAGE DIMENSIONS



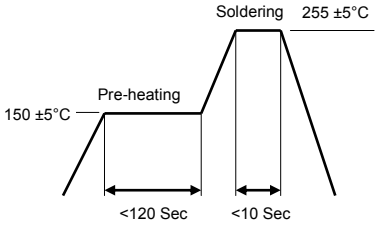
Unit : mm

■ SOLDER PATTERN



Unit :mm

■ REFLOW PROFILE



Note: Consult factory for detail

■ PART NUMBERING GUIDE

CS52 – A – 32.768K – 12.5 – TR

Tolerance @ 25°C	Frequency	Load Capacitance	Other Options
A: ±20ppm C: ±10ppm	32.768kHz	12.5: 12.5pF 9: 9pF	TR: Tape and reel

Transko Electronics, Inc reserves the right to make changes to the product (s), service (s), and specification (s) described herein without notice. See "Terms of Sale" for details on our website.

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