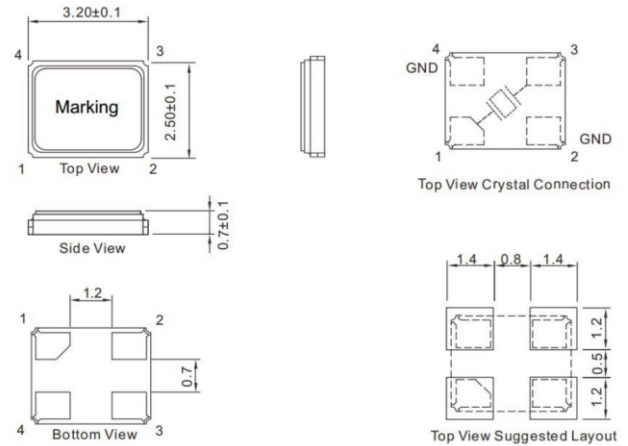


SMD CRYSTAL - MTSR32254P SERIES

Features

- Low Profile
- Footprint: 3.2 mm x 2.5 mm
- Extended Temperature range
- Mode of Oscillation: Fundamental
- Holder Type: Seam 3.2 mm x 2.5 mm
- Tolerances down to ± 10 ppm available
- Extremely good for reducing EMI effect
- Frequencies between 8 MHz and 50 MHz
- High precision and high frequency stability
- Operating Temperature Range: $-40\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$
- Storage Temperature Range: $-40\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$

Dimensions



Electrical Parameters

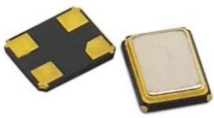
Order Code	Frequency	Load Capacitance (pF)	Drive Level (μW)	ESR (Ω)	Stability Over Operation Temperature
MTSR32254P8M	8 MHz	10	10	250	± 15
MTSR32254P12M	12 MHz	20	100	50	± 20
MTSR32254P12R288M	12.288 MHz	12	100	60	± 20
MTSR32254P13R56M	13.56 MHz	20	10	80	± 50
MTSR32254P14R31818M	14.31818 MHz	20	100	50	± 15
MTSR32254P16M	16 MHz	18	100	35	± 20
MTSR32254P16R3M	16.384 MHz	10	10	40	± 30
MTSR32254P18R432M	18.432 MHz	20	10	60	± 20
MTSR32254P20M	20 MHz	15	100	30	± 20
MTSR32254P22R1184M	22.1184 MHz	20	100	30	± 20
MTSR32254P24M	24 MHz	12	100	30	± 20
MTSR32254P24R576M	24.576 MHz	16	100	35	± 20
MTSR32254P25M	25 MHz	9	100	30	± 20
MTSR32254P26M	26 MHz	9	100	30	± 20
MTSR32254P27M	27 MHz	12	100	30	± 20
MTSR32254P27R12M	27.12 MHz	10	100	30	± 20
MTSR32254P30M	30 MHz	10	100	30	± 20
MTSR32254P32M	32 MHz	10	100	30	± 20
MTSR32254P40M	40 MHz	15	10	30	± 30
MTSR32254P48M	48 MHz	20	100	35	± 20
MTSR32254P50M	50 MHz	10	100	40	± 20

Aging: ± 5 ppm/year

Shunt Capacitance: 3 to 7 pF max.

Frequency Tolerance at 25°C: ± 10 ppm

Insulation Resistance at DC 100V: 500 M Ω



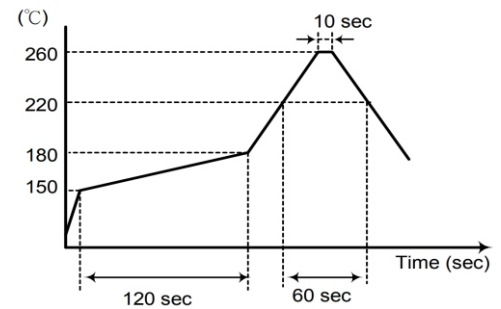
SMD CRYSTAL - MTSR32254P SERIES

Applications

- Smart Wearable
- IOT Communication
- Navigation Equipments
- Set Top Box
- Optical Network
- Test and Measurement Equipment
- Microprocessor
- Industrial Devices
- HDTV, DVR, Scanners, Printers, IP camera
- Ethernet, USB, SATA, SAS,
- Fibre Channel, Firewire, PCI Express

Recommended Reflow Profile

- Solder melting point: 220 ± 10 °C, 60 sec. min.
- Peak Temperature: 260 ± 5 °C, 10 sec. max.



NOTE:

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