

Applications

Industrial Control
Consumers.

Features

Dimensions: 5.00 x 3.20 x 1.20 mm.
Standard Frequency: 8~54MHz

2 pads SMD glass sealed crystal units.
Contains Pb in sealing glass exempted by RoHS directive.

Specifications

Standard Frequency	8~54 MHz
Vibration Mode	AT Fundamental
Load Capacitance	10pF, 20pF, or specify
Frequency Tolerance (at 25 °C)	±10ppm, ±20ppm, or specify
Frequency Versus Temperature Characteristics	±20ppm, or specify
Operating Temperature	-20~+70°C, -40~+85°C, or specify
Storage Temperature	-55~+125°C or specify
Shunt Capacitance	5 pF Max.
Level of Drive	1~300µW Max. (100µW typical)
Aging (at 25 °C)	±3ppm/year Max.

Equivalent Series Resistance(ESR)

Fundamental	
8 ~ 16MHz	80 Ω Max.
16 ~ 25 MHz	40~60 Ω Max.
25 ~ 54 MHz	30~40 Ω Max.

Dimensions and Patterns [unit:mm]

Package Size – Dimensions (Unit: mm)	
Top View Side View Bottom View	Top View Crystal Connection Top View Suggested Layout

Reflow Soldering Profile

Pre Heating Temperature

Tp1 ~ Tp2 = + 170 °C

Heating Temperature

TMlt = + 220 °C

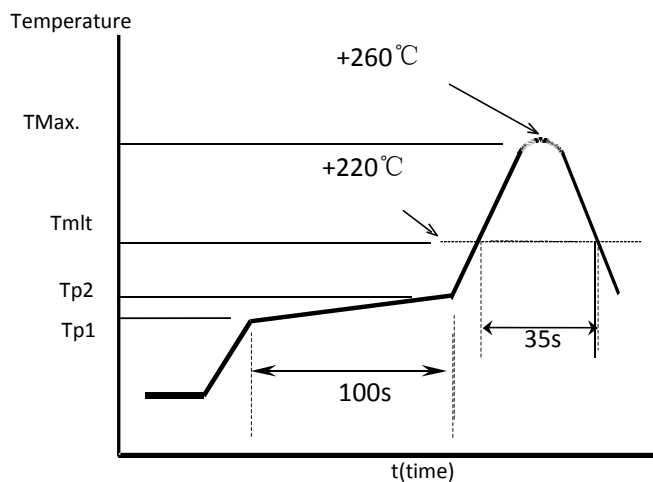
Peak Temperature

TMax. = + 260 °C

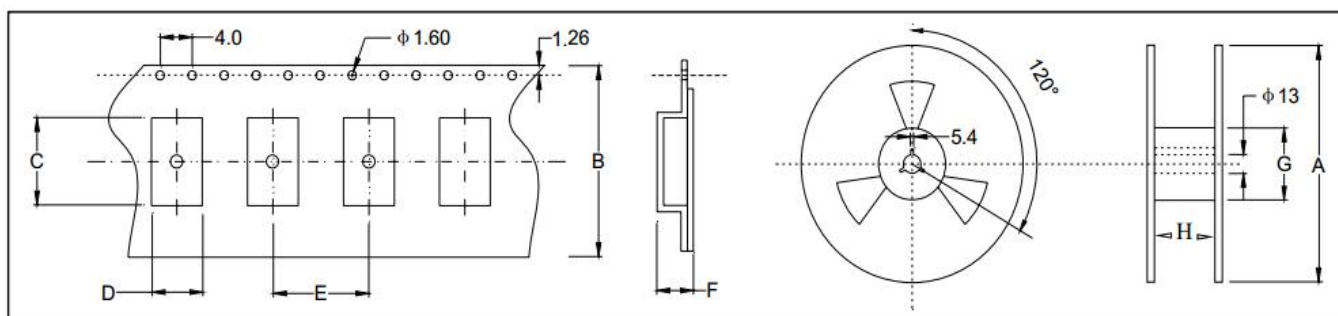
Point of measuring

In case of Solder ability

Terminal.

In case of Resistance to soldering heat
Surface.

Taping Specification(Unit: mm)



Size	A	B	C	D	E	F	G	H
SMD-5032	180±2.0	12.0±0.3	6.35±0.1	3.85±0.1	8.00±0.3	1.80±0.1	61.0±1.0	12.0±1.0

1000 pcs per reel

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