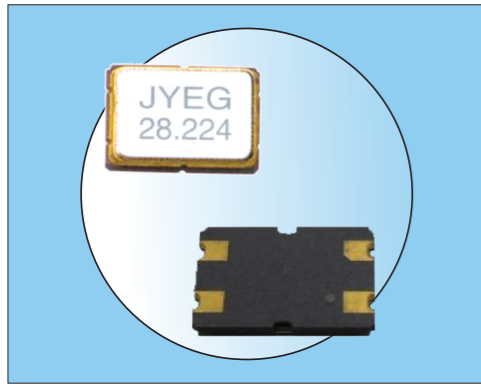


Quartz Crystals

Quartz Crystals

Surface Mount Type Quartz Crystal / SMD7050

CRYSTAL



Features

- JYEG part number: JYD7
- AT CUT
- Seam seal
- Tape and reel
- Tight tolerance/stability

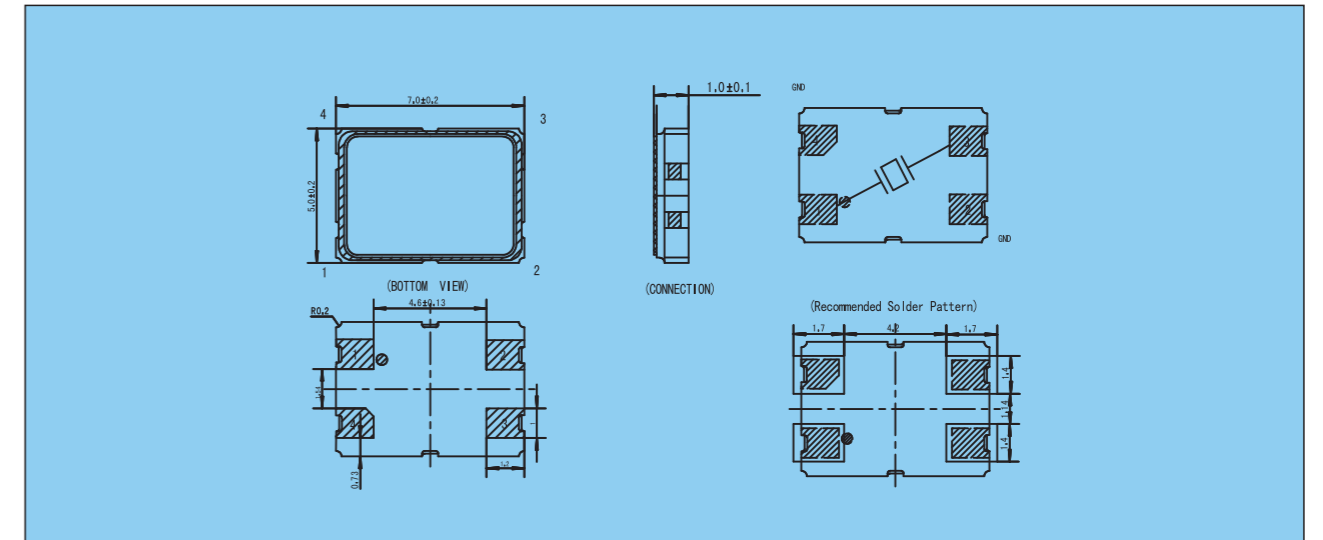
TYPICAL SPECIFICATIONS

Type	SMD7050
Frequency Range	6~170MHz
Mode of Vibration	$6 \leq F \leq 170$ MHz Fund $45 < F \leq 133$ MHz 3rd
Resonance Resistance(Ω)	80Max@ $6 \leq F \leq 16$ MHz ; 40Max @ $16 < F < 30$ MHz ; 30Max@ $30 \leq F \leq 45$ MHz ; 80Max@ $F > 45$ MHz
Frequency Tolerance at 25°C	5pF Max
Shunt Capacitance	$\geq \pm 10$ ppm
Frequency Stability Over Temperature Range	See table
Load Capacitance	6~50pF or Series
Insulation Resistance	> 500 M Ω /DC100V ± 10 V
Drive Level	200 μ W Max.
Aging	± 2 ppm/year Max
Storage Temperature Range	-55~125°C

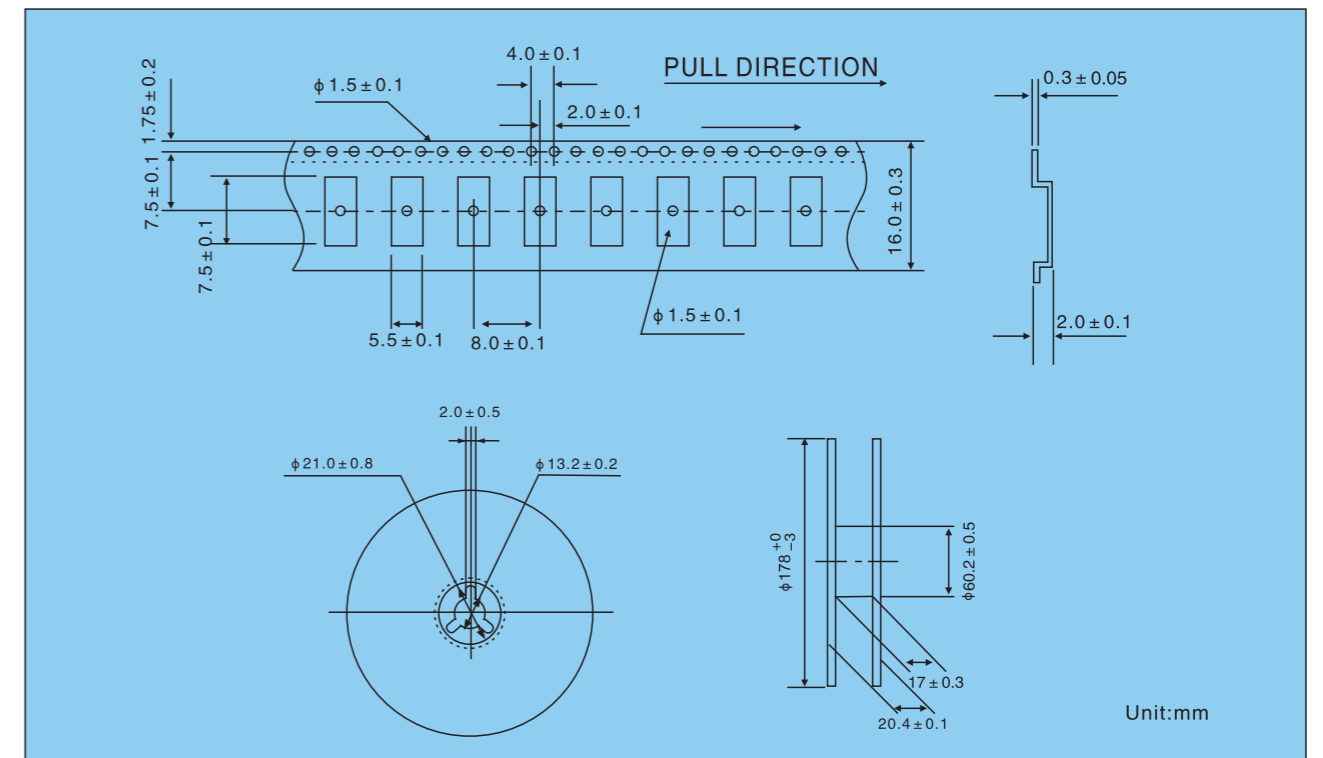
FREQUENCY STABILITY OVER TEMPERATURE RANGE(AT CUT)

Temperature Range	Frequency Stability					
	± 5 ppm	± 10 ppm	± 15 ppm	± 20 ppm	± 30 ppm	± 50 ppm
0°C~+50°C	☆	☆	☆	☆	☆	☆
-10°C~+60°C		☆	☆	☆	☆	☆
-20°C~+70°C		☆	☆	☆	☆	☆
-40°C~+85°C			☆	☆	☆	☆

SMD7050(JYD7)



TAPE AND REEL DIMENSIONS



CRYSTAL