



8X3.8 Plastic SMD Crystals

■ Holder Type: M3

Frequency Range:

20.00kHz to 75.00kHz

Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- RoHS Compliant



Actual Size



QUARTZ
CRYSTALS

■ Standard Specifications

Item	Value	
Frequency Range	32.768kHz	20.0~75.0kHz
Equivalent Series Resistance (ESR)	50kΩ Max	55kΩ Max
Frequency Tolerance @ 25 °C	±20ppm (tighter tolerance also available)	
Temperature Coefficient	-0.034±0.006ppm /°C ²	
Operating Temperature Range	-20 °C to +70 °C (other operating range also available)	
Operable Temperature Range	-40 °C to +85 °C	
Load Capacitance	6.0pF , 8.0pF , 12.5pF is standard	
Drive Level	0.2μW Max	
Shunt Capacitance	2.5pF Max	
Aging	±5ppm/year	

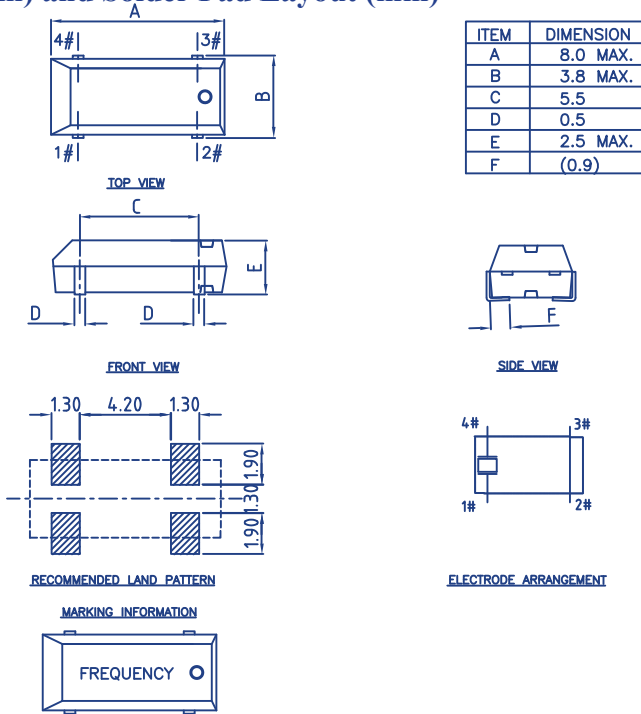
Note:

1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.

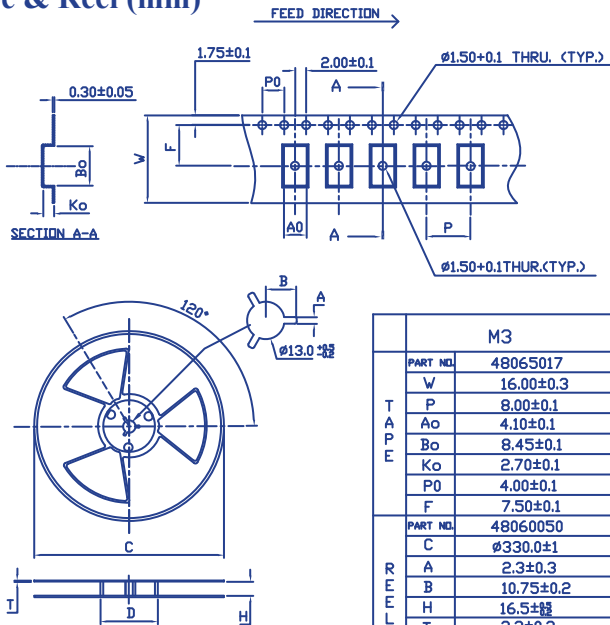


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■ Dimensions (mm) and Solder Pad Layout (mm)



■ Tape & Reel (mm)



REMARK: (1)CAMBERS DO NOT EXCEED 1.0MM IN 100MM.
 (2)THE MAXIMUM CUMULATIVETOLERANCE IS ±0.2MM FOR 10 SPROCKET HOLE PITCH.
 (3)THICKNESS OF CARRIER TAPE IS 0.3MM.
 MATERIAL: TRANSPARENT ANTI-STATIC POLYSTYRENE

QUARTZ
CRYSTALS