

32.768kHz SMD LOW PROFILE CRYSTAL

ABS06



RoHS/RoHS II Compliant

ABS06



2.0 x 1.2 x 0.6mm

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable

FEATURES:

- Miniature size 2.0 x 1.2 x 0.6mm ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- Extended temperature -55°C to +125°C for industrial applications

APPLICATIONS:

- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Wireless communications
- PDA and Palm Pilots

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency		32.768		kHz	
Operation Mode	Flexural Mode (Tuning Fork)				
Operating Temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C	-20		+20	ppm	See options Tested at 0.5uW
Temperature Coefficient:	-0.04	-0.03	-0.02	ppm/T ²	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (R1)			90	kΩ	For -40 ~ +85°C option
			110	kΩ	For -40 ~ +125°C option & -55 ~ +125°C option
Load capacitance (CL)		12.5		pF	See options
Drive Level		0.1	0.5	μW	
Q value	9000				
Aging@25°C±3°C	-3		3	ppm	First year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

OPTIONS AND PART IDENTIFICATION: (Left blank if standard)

ABS06 – 32.768 kHz - - - -

Load Capacitance	Operating Temp. Range	Freq. Tolerance	Packaging
Blank: 12.5pF	Blank: -40 ~ +85°C	Blank: ±20ppm	Blank: Bulk
9: 9pF	H: -40 ~ +125°C	1: ±10ppm	T: Tape & Reel
7: 7pF	W: -55 ~ +125°C	4: ±30ppm	(3000pcs/reel)
6: 6pF			
4P: 4pF			

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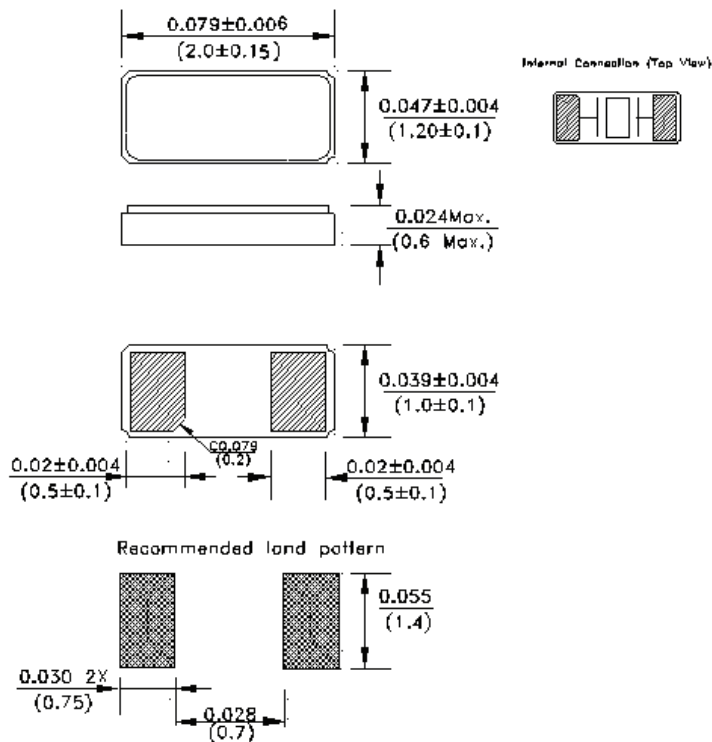
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2.0 x 1.2 x 0.6mm

OUTLINE DRAWING:

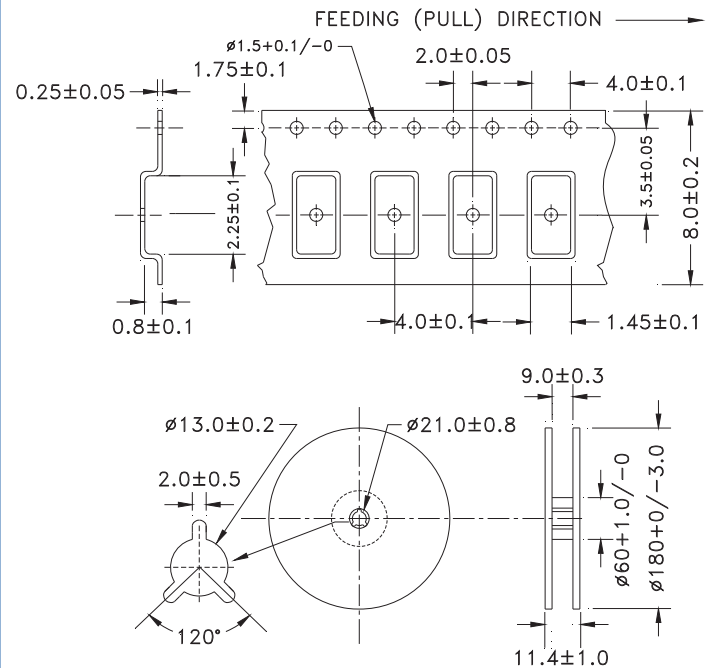


Note: Due to material availability, the outline and finish color of the component may vary. This variation in no way affects the electrical performance of the product

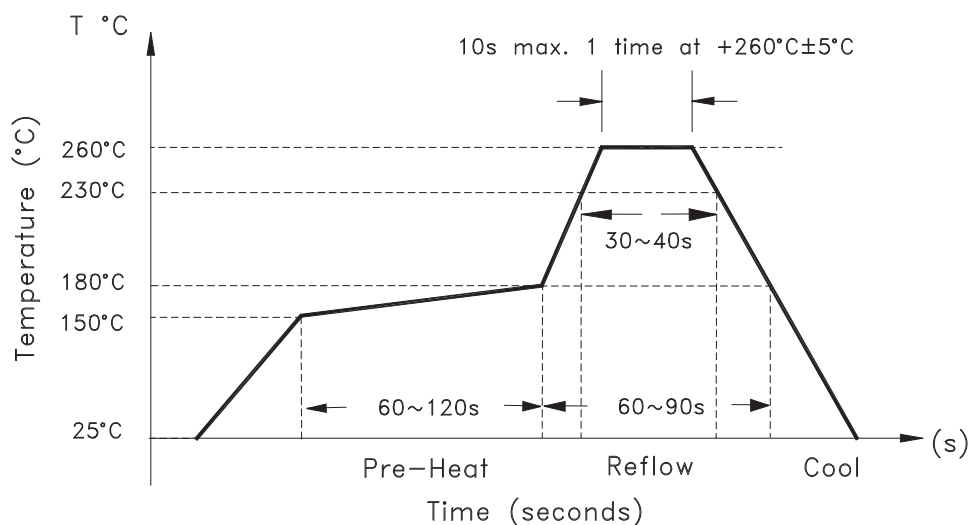
Dimensions: inches (mm)

TAPE & REEL:

T=Tape and reel (3,000pcs/reel)



REFLOW PROFILE:



Need a test socket for the ABS06 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#). P/N AXS-2012-02-04

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