32.768kHz SMD LOW PROFILE CRYSTAL



ABS13

Pb in High Tempe rature Solder RoHS (exempt per RoHS 2002/95/EC Annex (7)) Compliant

Moisture Sensitivity Level: Level 1

FEATURES:

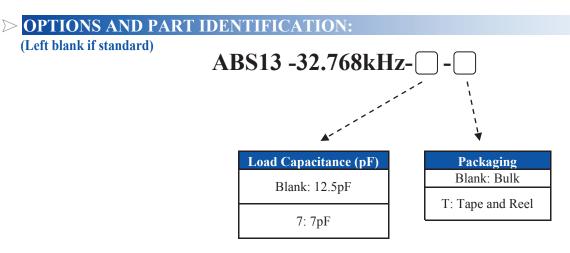
- Low frequency
- Plastic package with embedded heat resistant crystal in cylinder package
- Extended temperature -40°C to +85°C for industrial applications
- Suitable to RoHS compliant reflow

(Left blank if standard)

- **▷ APPLICATIONS**:
 - Commercial & Industrial applications
 - Wireless communications
 - PDA and Palm Pilots

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Nominal Frequency		32.768		kHz	
Operating Temperature	-40		+85	°C	
Turnover Temperature	+20	+25	+30	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C	-20		+20	ppm	
Frequency Coefficient (ß)	-0.040	-0.034	-0.028	ppm/T ²	
Equivalent series resistance (R1)			65	kΩ	
Load capacitance (CL)		12.5		pF	See options
Drive Level			1	μW	
Aging	-3		+3	ppm	@25°C±3°C First year
Insulation Resistance	500			MΩ	(<i>a</i>) 100 Vdc \pm 15 V







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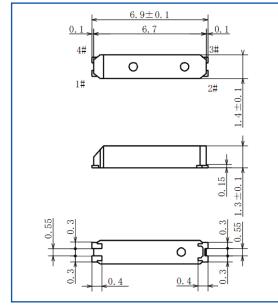
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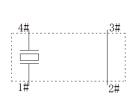


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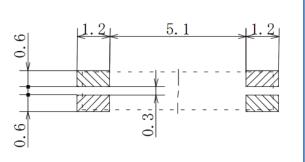
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OUTLINE DRAWING:



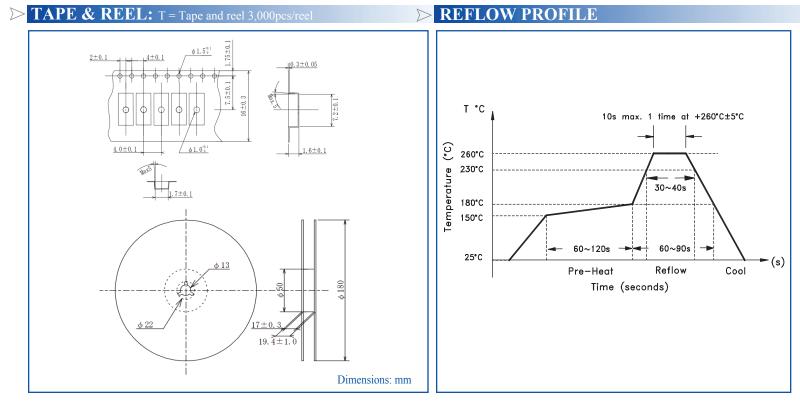


Do not connect to external with #2 and #3.



Recommended Land Pattern

Dimensions: mm



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