32.768kHz SMD LOW PROFILE CRYSTAL



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





FEATURES:

- Low frequency in small size SMD
- 0.9mm height ideal for high density circuit boards
- Seam sealed ceramic package offers excellent environmental & heat resistance
- Extended temperature -55°C to +125°C for industrial applications

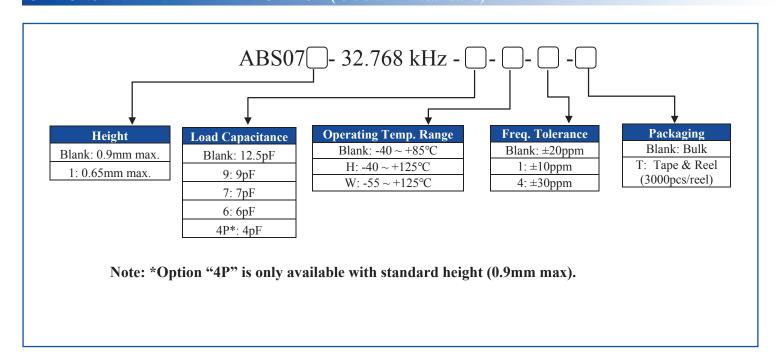
> APPLICATIONS:

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

STANDARD SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency	32.768			kHz	
Operation Mode	Flexural Mode (Tuning Fork)				
Operating Temperature	-40		+85	°C	See options
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C	-20		+20	ppm	See options
Temperature Coefficient:	-0.040	-0.036		ppm/T²	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (R1)			70	kΩ	
Shunt capacitance (C0)		0.9 ~ 1.2		pF	
Load capacitance (CL)		12.5		pF	See options
Drive Level		0.1	0.5	μW	
Q value	10000	30000			
Aging@25°C±3°C	-3		3	ppm	First year
Insulation Resistance	500			ΜΩ	@ $100 \text{Vdc} \pm 15 \text{V}$

OPTIONS AND PART IDENTIFICATION (left blank if standard)







Visit www.abracon.com for Terms and Conditions of Sale

32.768kHz SMD LOW PROFILE CRYSTAL

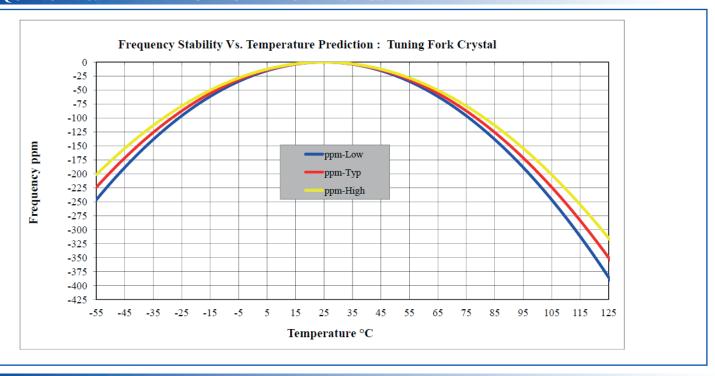
ABS07



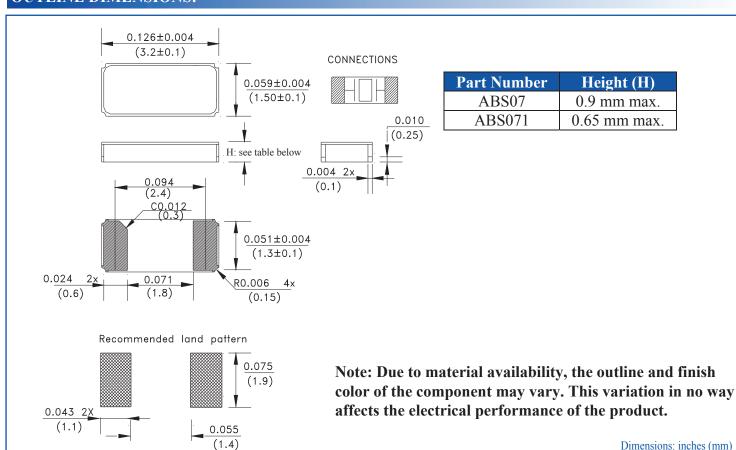


3.2 x 1.5 x 0.9 mm

FREQUENCY VS. TEMPERATURE CHARACTERISTICS



OUTLINE DIMENSIONS:







32.768kHz SMD LOW PROFILE CRYSTAL

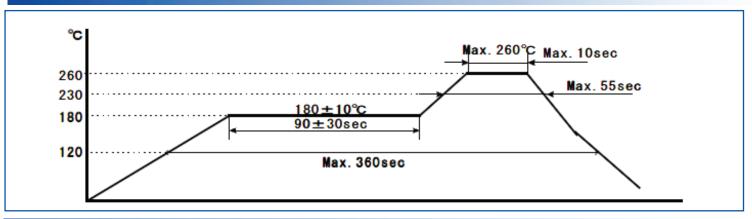
ABS07



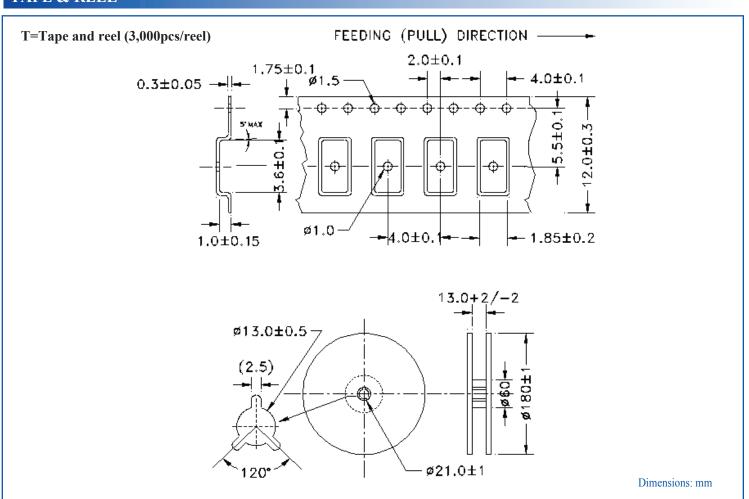


3.2 x 1.5 x 0.9 mm

REFLOW PROFILE



TAPE & REEL



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.





Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

<u>ABS07-32.768KHZ-7-T</u> <u>ABS07-32.768KHZ-9-T</u> <u>ABS07-32.768KHz-1-T</u> <u>ABS07-32.768KHz-4-T</u> <u>ABS07-32.768KHz-4-T</u> <u>ABS07-32.768KHz-6-4-T</u> <u>ABS07-32.768KHz-6-4-T</u> <u>ABS07-32.768KHz-6-4-T</u> <u>ABS07-32.768KHz-6-4-T</u> <u>ABS07-32.768KHz-9-4-T</u> <u>ABS07-32.768KHz</u>