# 32.768kHz SMD LOW PROFILE CRYSTAL

### ABS05

## RoHS/RoHS II compliant

1.6 x 1.0 x 0.5mm

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

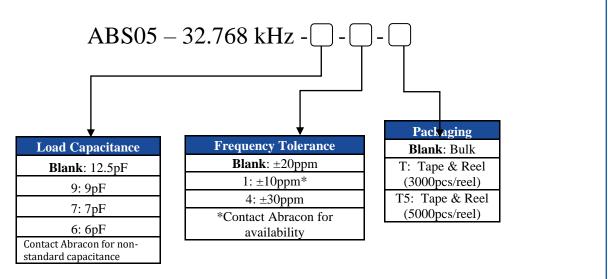
#### **FEATURES**:

- 0.5mm height ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- $\bullet$  Extended temperature -40°C to +85°C for industrial applications
- > APPLICATIONS:
  - Smart Display Credit Cards
  - Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Wireless communications
- PDA and Palm Pilots

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency	32.768			kHz	
Operation Mode	Flexura	Flexural Mode (Tuning Fork)			
Operating Temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C	-20		+20	ppm	Standard (See options if other than STD)
Temperature Coefficient:	-0.04	-0.03	-0.02	ppm/T <sup>2</sup>	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (ESR)			90	kΩ	
Shunt capacitance (C0)		1.3		pF	
Load capacitance		12.5	•	pF	Standard (See options if other than STD)
Drive Level			0.5	μW	
Aging @ +25°C±3°C	-3		+3	ppm	First Year
Insulation Resistance	500			MΩ	@ $100Vdc \pm 15V$

**OPTIONS AND PART IDENTIFICATION:** 

#### (Left blank if standard)





5101 Hidden Creek Ln Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sales, please visit: www.abracon.com

REVISED: 07-19-2021

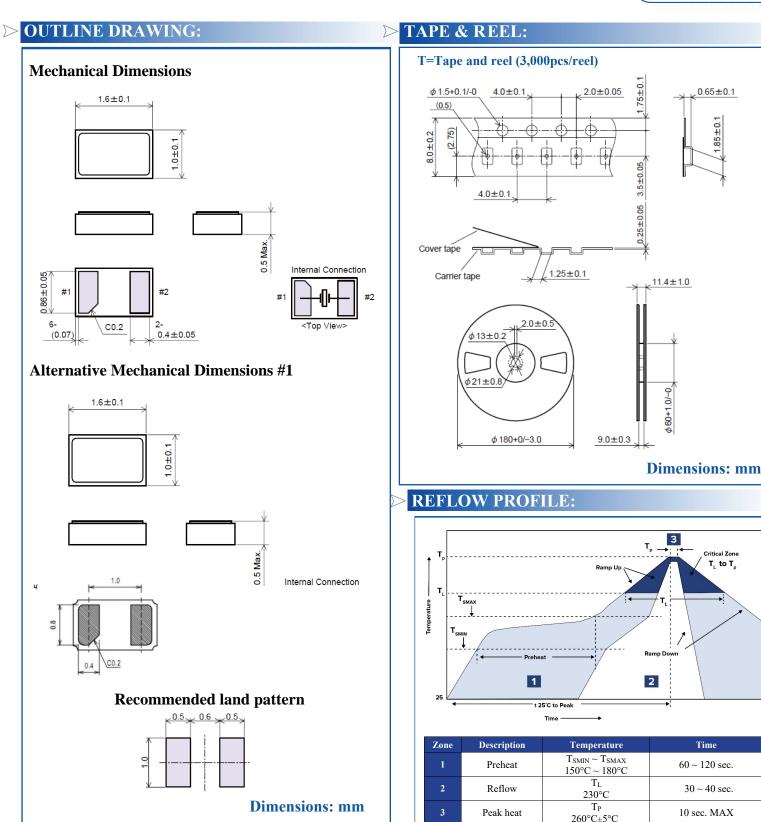
ABRACON IS ISO9001-2015 CERTIFIED

# 32.768kHz SMD LOW PROFILE CRYSTAL

ABS05

(Pb) RoHS/RoHS II compliant

1.6 x 1.0 x 0.5mm



ATTENTION: Abracon LLC'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-dependent 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 LLC is required. Please contact Abracon LLC for more information



5101 Hidden Creek Ln Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sales, please visit: www.abracon.com

REVISED: 07-19-2021

ABRACON IS ISO9001-2015 CERTIFIED

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Crystals category:

Click to view products by ABRACON manufacturer:

Other Similar products are found below :

MC405 32.0000K-R3:PURE SN 7B-27.000MBBK-T MP1-8.0 99-BU 9B-15.360MBBK-B PTX-A2JM-10.000M 9C-7.680MBBK-T H10S-12.000-18-EXT-TR R38-32.768-12.5-5PPM-NPB BTD1062E05A-513 21U15A-21.4MHZ RTX-781DF1-S-20.950 LFXTAL066198Cutt 9C-14.31818MBBK-T A-11.000MHZ-27 SPT2A-.032768B SPT2A.032768G SSPT7F-9PF20-R FX325BS-38.88EEM1201 MP-1-25.000MHZ-3L MP-1-6.000MHZ LFXTAL065253Cutt LFXTAL066431Cutt XT9S20ANA14M7456 XT9SNLANA16M 646G-24-2 7B-30.000MBBK-T 6504-202-1501 6526-202-1501 BTJ120E02C SG636PCE-20.000MC 3404 C1E-24.000-7-2020-R C1E-19.200-12-1530-X-R C1E-16.000-12-1530-X-R FL5000014 EUCA18-3.1872M 425F35E027M0000 17196 MS3V-T1R-32.768kHz-7pF-20PPM-TA-QC-Au VXM7-1C1-16M000 MS1V-T1K-32.768kHz-10pF-20PPM-TA-QC-Au MS1V-T1K-32.768kHz-12.5pF-20PPM-TA-QC-Au MS3V-T1R-32.768kHz-9pF-20PPM-TA-QC-Au 17000 17301 16875 ECS-80-18-30B-JEM-TR ECS-100-10-30B-CKL-TR MS1V-T1K-32.768kHz-6pF-20PPM-TA-QC-Au