

# 32.768kHz SMD LOW PROFILE CRYSTAL

ABS06



RoHS  
Compliant



2.0 x 1.2 x 0.6mm

## FEATURES:

- Smallest industry package size for 32.768kHz crystals
- 0.6mm height ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- Extended temperature -40°C to +85°C for industrial applications

## APPLICATIONS:

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

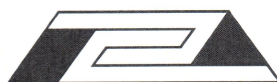
## OPTIONS AND PART IDENTIFICATION (left blank if standard)

ABS06 – 32.768KHZ-T	20ppm 12.5pF	3K/Reel
ABS06 – 32.768KHZ-9-T	20ppm 9pF	3K/Reel
ABS06 – 32.768KHZ-9-1-T	10ppm 9pF	3K/Reel
ABS06 – 32.768KHZ-1-T	10ppm 12.5pF	3K/Reel

## 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:	-0.039	-0.034	-0.029	ppm/T <sup>2</sup>	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (R1)	-----	-----	90	kΩ	
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

ABRACON IS  
ISO 9001:2008  
CERTIFIED



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