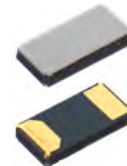


SMD Ultra Low Profile Crystal

ABS07L



RoHS/RoHS II Compliant



3.2 x 1.5 x 0.38 mm

Moisture Sensitivity Level (MSL) = Level 1

FEATURES:

- Lowest height kHz package for 32.768kHz Crystals
- 0.38mm height ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- Excellent shock and vibration resistance

APPLICATIONS:

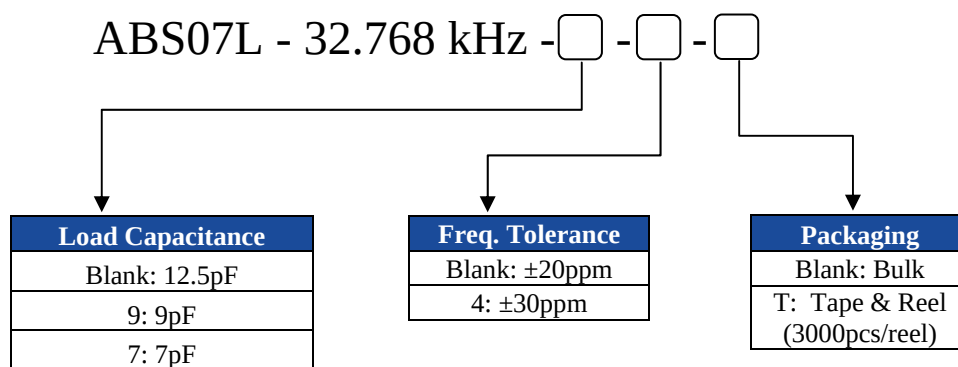
- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Wireless communications
- PDA and Palm Pilots
- Credit Cards with Security Technology

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency		32.768		kHz	
Operating Temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C	-20		+20	ppm	See options
Temperature Coefficient:		-0.035±10%		ppm/C ²	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (R1)		55	80	kΩ	
Shunt capacitance (C0)		1.4		pF	
Motional capacitance (C1)		3.5		fF	
Load capacitance (CL)		12.5		pF	See options
Drive Level			0.5	μW	
Aging@25°C	-3		3	ppm	First year
Insulation Resistance	500			MΩ	

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)



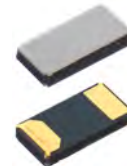
Note: Please contact Abracon for tighter Freq. tolerance

SMD Ultra Low Profile Crystal

ABS07L

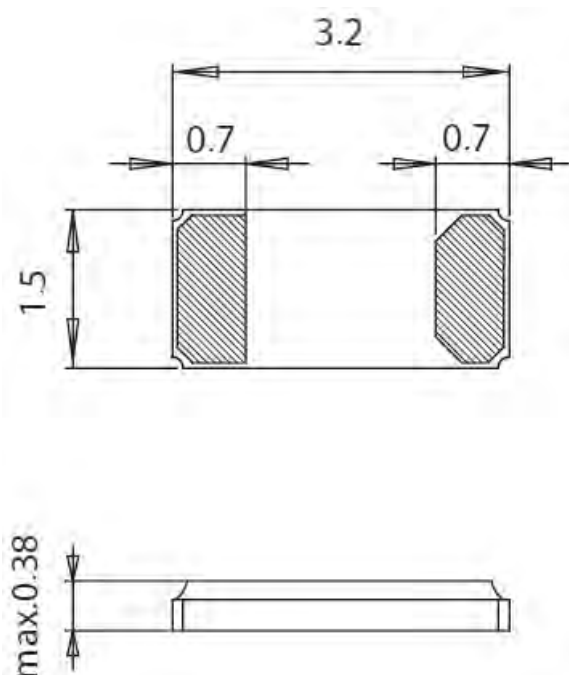


RoHS/RoHS II Compliant

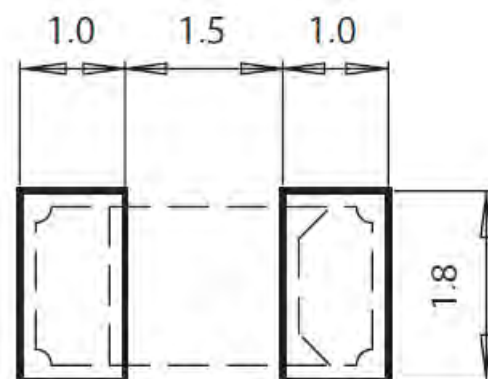


3.2 x 1.5 x 0.38 mm

OUTLINE DRAWING:



Recommended Land Pattern



Dimensions: mm

All Dimensions are typical values.

RECOMMENDED REFLOW PROFILE:

