MOULDED PLASTIC SURFACE MOUNT

LOW PROFILE 32.768 kHz CRYSTALS

Ideal for high-density circuit application.

· Clock source for communications equipment, Measuring instruments.

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

> APPLICATIONS:

±5ppm max.

500M Ω min. at 100Vdc ±15V

Real time clock.



FEATURES:

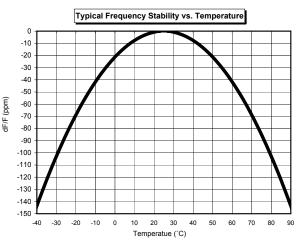
- Small SMD type, 1.55 mm height.
- · Suitable for reflow soldering.
- Heat resistant packaging.

ABS15

STANDARD SPECIFICATIONS:

PARAMETERS	
Frequency Range	32.768kHz
Operation Mode	Fundamental
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C
Frequency Tolerance @ 25°C	±20ppm max.
Frequency Stability over Temp.	-0.034 ±0.006ppm / (25-T) ²
Turnover Temperature	25°C ±5°C
Equivalent Series Resistance (ESR)	65kΩ max.
Motional Capacitance C1	0.003pF typ.
Load Capacitance C∟	12.5pF (See Options)
Drive Level	1µW max.

TUNING FORK CRYSTAL TEMPERATURE CURVE



Environmental, and mechanical specifications see appendix C. Group 7. Marking, see appendix G.

Tape and Reel, see appendix H.(3,000 pcs./reel)

Reflow profile, see appendix E.

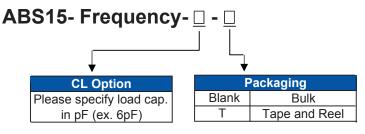
Aging @ 25°C First Year

Insulation Resistance

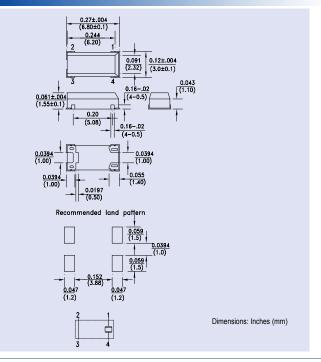
Recommended handling, see appendix F.

Application notes, see appendix A.

OPTIONS AND PART IDENTIFICATION (Left blank if standard)



OUTLINE DRAWING:



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