

MOULDED PLASTIC SURFACE MOUNT

LOW PROFILE 32.768 kHz CRYSTALS

ABS15



6.8 x 3.0 x 1.55 mm

ABS15

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

RoHS
Compliant

FEATURES:

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

APPLICATIONS:

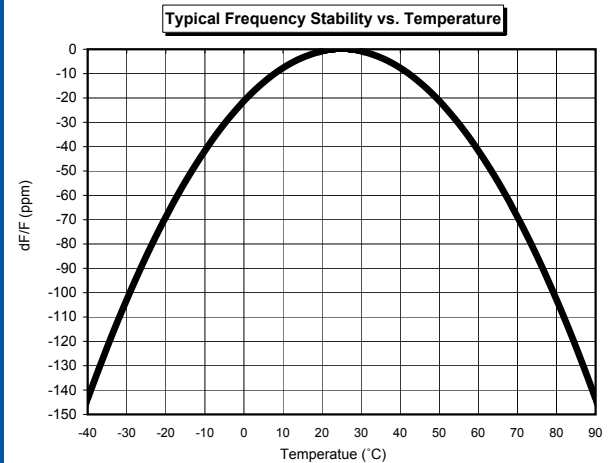
- Ideal for high-density circuit application.
- Clock source for communications equipment, Measuring instruments.
- Real time clock.

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 C ₁	0.003pF typ.
Load Capacitance C _L	12.5pF (See Options)
Drive Level	1μW max.
Aging @ 25°C First Year	±5ppm max.
Insulation Resistance	500MΩ min. at 100Vdc ±15V

TUNING FORK CRYSTAL TEMPERATURE CURVE



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

Marking, see appendix G.

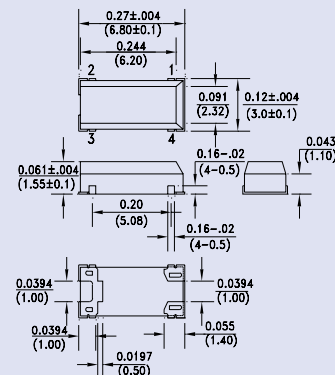
Tape and Reel, see appendix H.(3,000 pcs./reel)

Reflow profile, see appendix E.

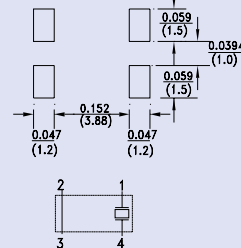
Recommended handling, see appendix F.

Application notes, see appendix A.

OUTLINE DRAWING:



Recommended land pattern



Dimensions: Inches (mm)

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ABS15- Frequency- -

CL Option

Please specify load cap.
in pF (ex. 6pF)

Packaging

Blank	Bulk
T	Tape and Reel

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