

6.8 x 3.0 x 1.55 mm

LOW PROFILE, 32.768kHz CRYSTALS MOLDED PLASTIC SURFACE MOUNT ABS15

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

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

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

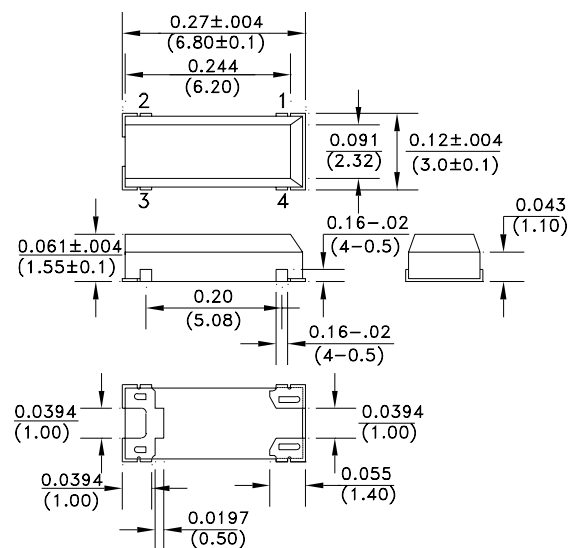
Marking, see appendix G.

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

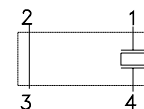
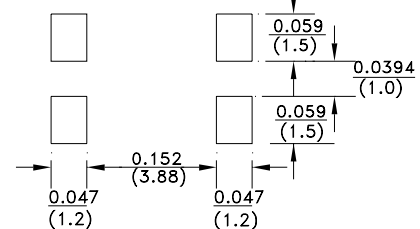
Reflow profile, see appendix E.

Recommended handling, see appendix F.

Application notes, see appendix A.



Recommended land pattern



Dimensions: Inches (mm)

ORDERING OPTIONS

ABS15 - 32.768 kHz - CL - Packaging

Load cap. in pF

- T (Tape & Reel)



NOTE: Left blank if standard • All specifications and markings subject to change without notice

29 Journey • Aliso Viejo, CA 92656 • USA
(949) 448-7070 • FAX: (949) 448-8484

E-MAIL: abinfo@abracon.com • INTERNET ADDRESS: www.abracon.com

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED