

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.

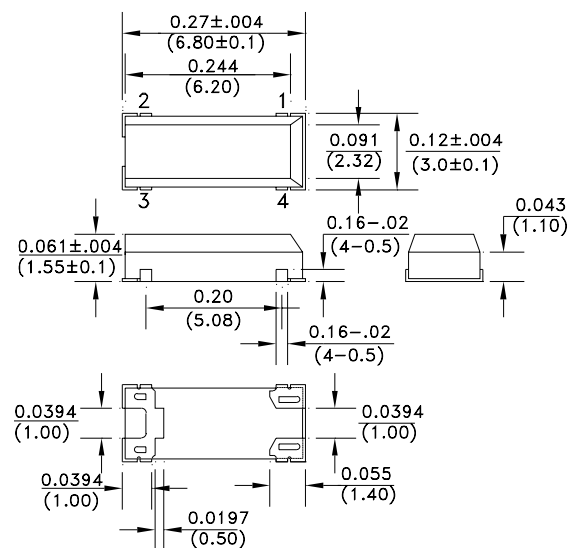
Marking, see appendix G.

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

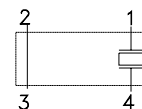
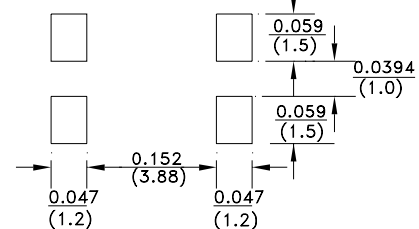
Reflow profile, see appendix E.

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

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