

MINIATURE CERAMIC SMD CRYSTAL



ABM3

5.0 X 3.2 X 1.30mm

ABM3

*G = Pb in glass (exempt per RoHS 2002/95/EC Annex (5))

RoHS
Compliant

FEATURES:

- AT-cut fundamental and 3rd OT mode IR reflow capable
- Suitable for reflow.
- Tight Stability available.
- Ceramic package hermetically glass sealed assures high precision and reliability.

APPLICATIONS:

- Cellular telephones, Pagers.
- Communication and Test equipment.
- PCMCIA and wireless applications.

STANDARD SPECIFICATIONS:

PARAMETERS

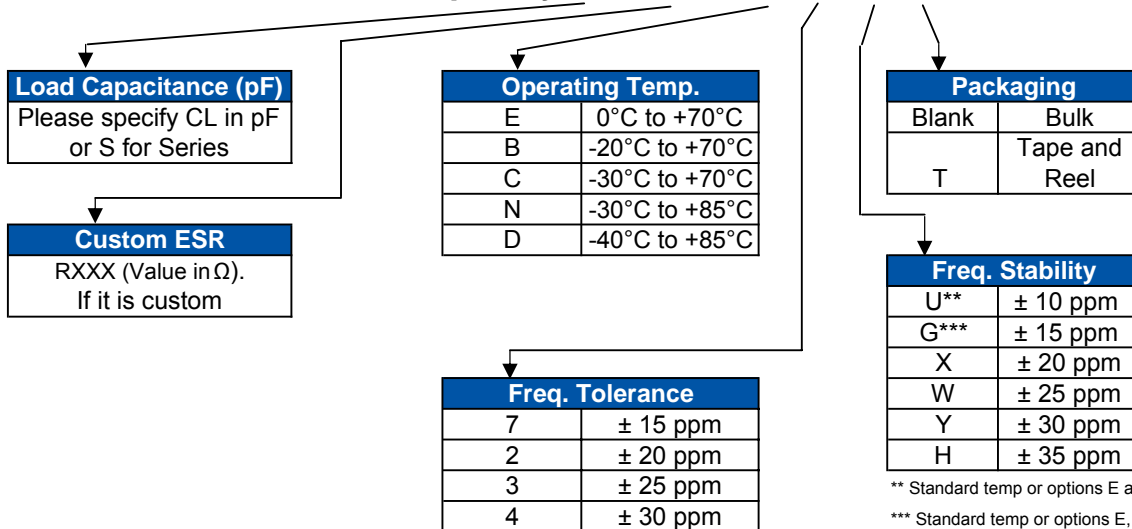
| | |
|--|---|
| ABRACON P/N | ABM3 Series |
| Frequency Range | 8.0 MHz - 50.0 MHz (50 MHz - 125 MHz :3rd overtone) |
| Operation Mode | Fundamental or 3rd overtone |
| Operating Temperature | - 10°C to + 60°C (see options) |
| Storage Temperature | - 40°C to + 90°C |
| Frequency Tolerance @ 25°C | ± 50 ppm max. (see options) |
| Frequency Stability over the Operating Temperature (Ref to + 25°C) | ± 50 ppm max. (see options) |
| Equivalent Series Resistance | See table 1 |
| Shunt Capacitance C0 | 7 pF max. |
| Load Capacitance CL | 18 pF (see options) |
| Drive Level | 100 µW max., 10 µW typical |
| Aging (First Year) @ 25°C ± 3°C | ± 5ppm max. |
| Insulation Resistance | 500 MΩ min at 100Vdc ± 15 V |

TABLE 1- Standard ESR

| Frequency (MHz) | ESR (Ω) max | Operational Mode |
|-----------------|-------------|------------------|
| 8.000 - 8.999 | 500 | Fundamental |
| 9.000 - 9.999 | 200 | Fundamental |
| 10.000 - 15.999 | 60 | Fundamental |
| 16.000 - 50.000 | 50 | Fundamental |
| 50.001 - 80.000 | 60 | 3rd Overtone |
| 80.001 - 125.00 | 80 | 3rd Overtone |

OPTIONS AND PART IDENTIFICATION:

ABM3 - Frequency - □ - R□□□ - □ - □ - □ - □



** Standard temp or options E and B only

*** Standard temp or options E, B, C and N only.



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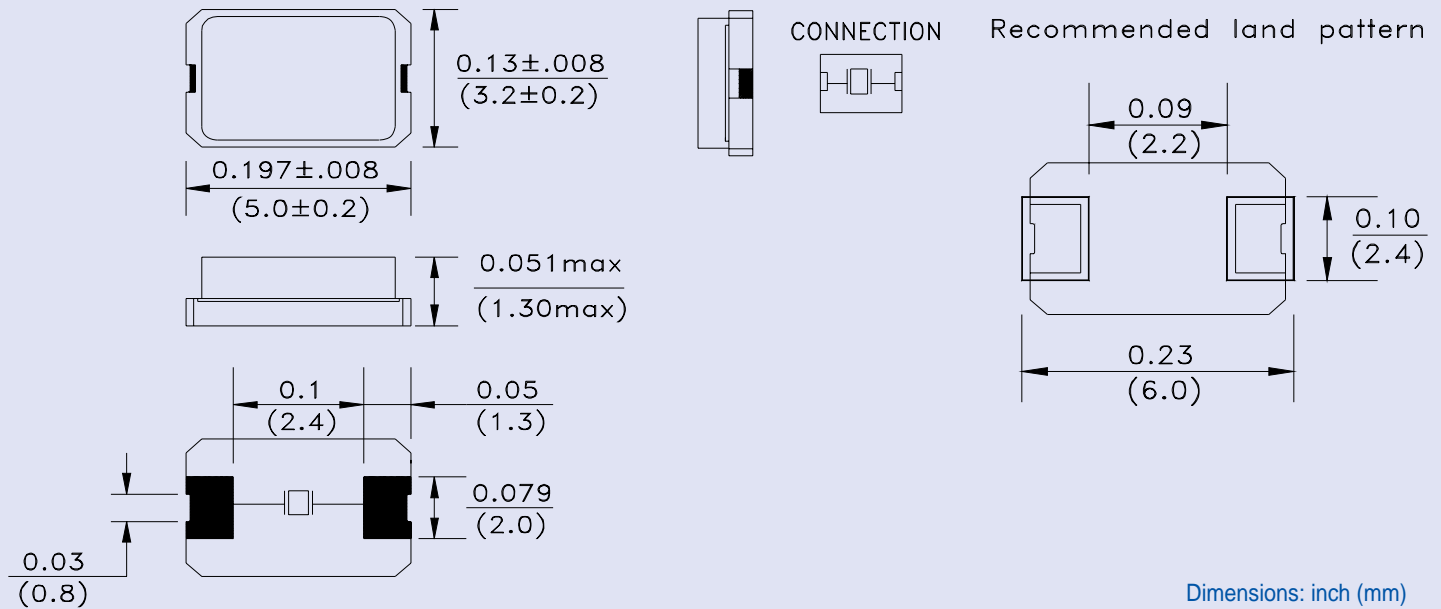
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OUTLINE DRAWING:



TAPE & REEL:

