CERAMIC SURFACE MOUNT LOW PROFILE QUARTZ CRYSTALS





6.0 x 3.6 x 1.2 mm

ABMM2

FEATURES:

- Suitable for RoHS compliant reflow
- Low height 1.2 mm max
- Seam sealed ceramic package assures high reliabilityAvailable tight tolerance and stability

> APPLICATIONS:

- Computers, Modems, Microprocessors
- Communication, Test equipment
- PCMCIA

STANDARD SPECIFICATIONS:

| Parameters | | Minimum | Typical | Maximum | Units | Notes |
|---|--------------------|--------------------------|---------|---------|-------|--|
| Frequency Range | | 7.3728 | | 110.00 | MHz | |
| Operation Mode | 7.3728 – 30.00MHz | Fundamental | | | | Standard |
| | 30.01 – 100.00MHz | 3 rd Overtone | | | | Standard |
| | 100.01 – 110.00MHz | 5 th Overtone | | | | Standard |
| | 30.01 - 50.00MHz | Fundamental | | | | See options |
| Operating Temperature | | -10 | | +60 | °C | See options |
| Storage Temperature | | -40 | | +85 | °C | |
| Frequency Tolerance @+25°C | | -20 | | +20 | ppm | See options |
| Frequency Stability over the Operating Temperature (ref. to +25°C) | | -20 | | +20 | ppm | See options |
| Equivalent series resistance (R1) | | See table 1 below | | | Ω | |
| Shunt capacitance (C0) | | | | 7.0 | pF | |
| Load capacitance (CL) | | | 18.0 | | pF | Standard (See options if other than STD) |
| Drive Level | | | 100 | 500 | μW | |
| Aging | | -2 | | +2 | ppm | @25°C±3°C First year |
| Insulation Resistance | | 500 | | | ΜΩ | @ $100 \text{Vdc} \pm 15 \text{V}$ |

TABLE 1- Standard ESR

| Frequency (MHz) | $ESR(\Omega)$ max | | |
|--|-------------------|--|--|
| 7.3728 -7.999999 (Fund) | 150 | | |
| 8.000 -9.999999 (Fund) | 72 | | |
| 10.000 -50.000 (Fund) | 50 | | |
| 30.000 – 100.000 (3 rd OT) | 60 | | |
| 100.001 – 110.000 (5 th OT) | 80 | | |





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ABMM2

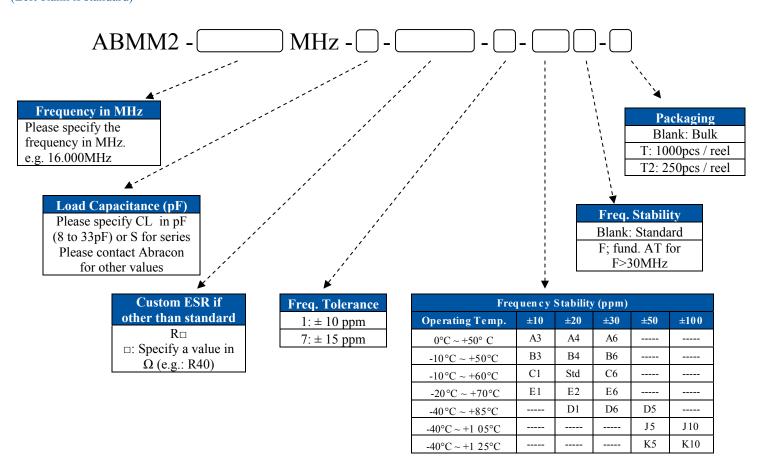




6.0 x 3.6 x 1.2 mm

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

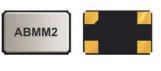




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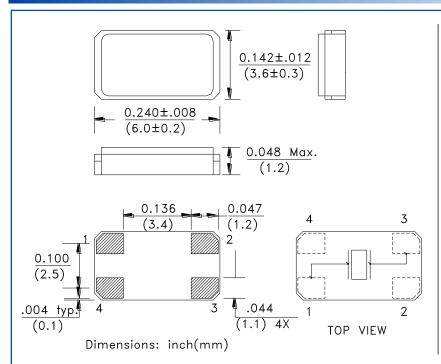
ABMM2

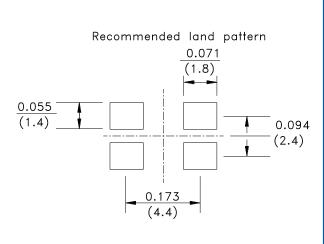




6.0 x 3.6 x 1.2 mm

OUTLINE DRAWING:





Dimensions: inches (mm)

Note 1: A chamfer of 0.3mm may appear on pad 1 or 4

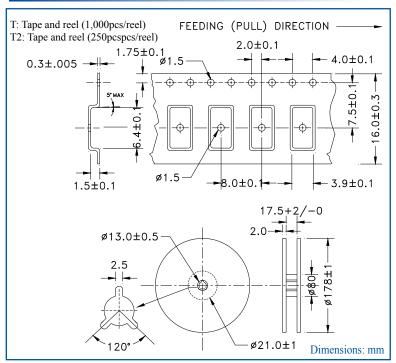
Note 2: A rounded pad may appear on pad 1

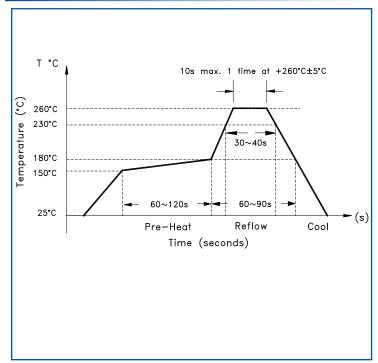
Note 3: Pin 2 and 4 are connected to the metal lid.

Please connect to GND

> TAPE & REEL:

> REFLOW PROFILE





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