SMD MICROPROCESSOR CRYSTAL



ABMC2



11.0 x 5.0 x 2.0 mm

> **FEATURES**:

- 2.0 mm height
- · Hermetically sealed package offers high reliability.
- AT cut offers tighter stability
- Resistance welded
- Extended temperature available
- Low frequency in SMD package
- · IR Reflow capable

APPLICATIONS:

- PCMCIA applications
- Microprocessors
- Communication equipment, Networking, Thin equipment

STANDARD SPECIFICATIONS:

ABRACON P/N:	ABMC2 Series
Frequency:	3.579545 MHz to 70 MHz
Operation mode:	AT-strip or BT-strip 3.5 MHz - 32.00 MHz (Fundamental AT-cut: Standard) 32.00 MHz - 70.00 MHz (3rd OT AT-cut: Standard) 32.00 MHz - 41.00 MHz (Fundamental AT-cut: See options) 22.00 MHz - 46.00 MHz (Fundamental BT-cut: See options)
Operating temperature:	- 10°C to + 60°C (see options)
Storage temperature:	- 40°C to + 85° C
Frequency tolerance:	± 50 ppm max. (see options)
Frequency stability over the operating temperature (Ref to +25° C):	± 100 ppm max. (see options) ± 100 ppm max. over - 40°C to + 85° C only for BT-cut
Equivalent series resistance (max.):	See Table 1
Shunt capacitance C0:	7.0pF max.
Load capacitance CL:	18.0pF (see option)
Drive level:	100μW max.
Aging (per year) @ 25° C:	± 5 ppm max.
Insulation resistance:	500 M Ω min. at 100 Vdc ± 15 Vdc

Table 1 Standard ESR

Frequency (MHz)	ESR(Ω) max.
3.500 - 3.999 (AT cut fund.)	180
4.000 - 4.999 (AT cut fund.)	150
5.000 - 5.999 (AT cut fund.)	120
6.000 - 6.999 (AT cut fund.)	100
7.000 - 8.999 (AT cut fund.)	80
9.000 - 12.999 (AT cut fund.)	60
13.00 - 19.999 (AT cut fund.)	50
20.00 - 41.00 (AT cut fund.)	40
22.00 - 46.00 (BT cut)	60
32.00 - 70.00 (3rd O/T)	80





SMD MICROPROCESSOR CRYSTAL



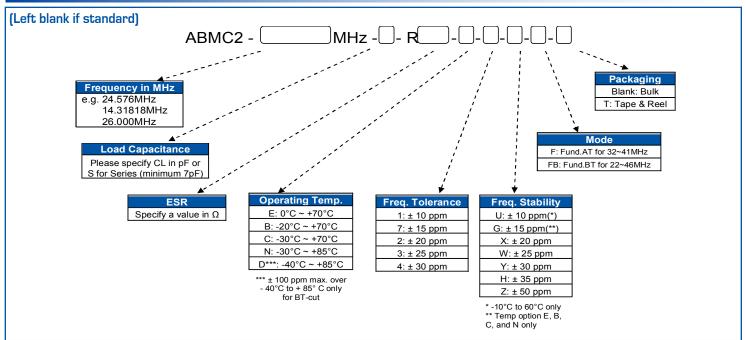


ABMC2

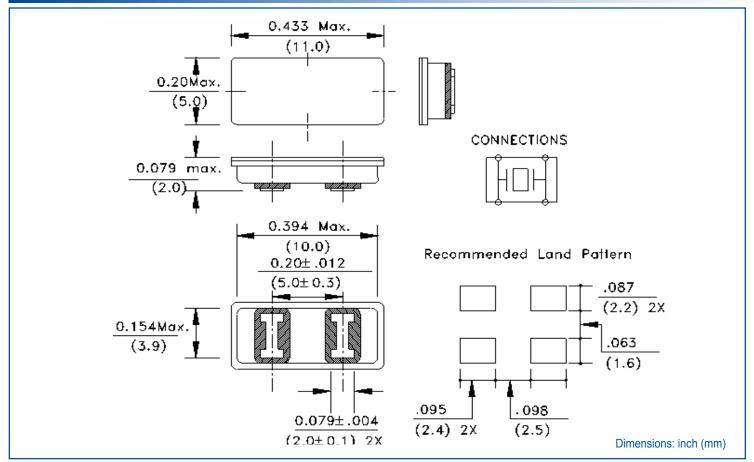


11.0 x 5.0 x 2.0 mm

> OPTIONS AND PART IDENTIFICATION:



OUTLINE DRAWING:







SMD MICROPROCESSOR CRYSTAL

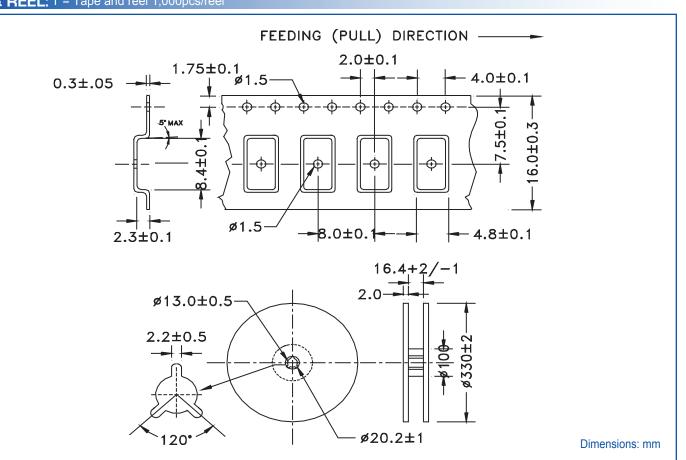


11.0 x 5.0 x 2.0 mm

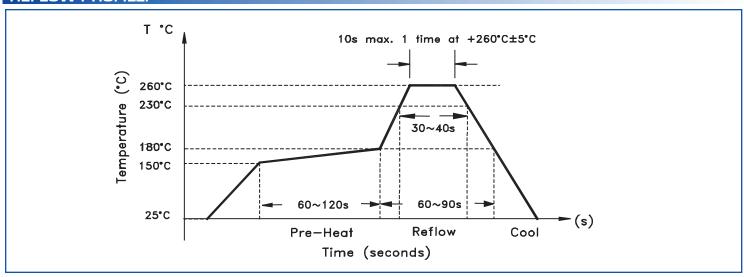
ABMC2



TAPE & REEL: T = Tape and reel 1,000pcs/reel



REFLOW PROFILE:



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Crystals category:

Click to view products by ABRACON manufacturer:

Other Similar products are found below:

CS325S24000000ABJT 718-13.2-1 MC405 32.0000K-R3:PURE SN FC-135R 32.7680KF-A3 7A-40.000MAAE-T 7B-27.000MBBK-T FL2000085 9B-15.360MBBK-B 9C-7.680MBBK-T ASH7K-32.768KHZ AT-41.600MAGQ-T BTD1062E05A-513 LFXTAL066198Cutt 9C-14.31818MBBK-T FA-238 50.0000MB30X-K3 FC-12M 32.7680KA-AC3 SSPT7F-9PF20-R FX325BS-38.88EEM1201 LFXTAL065253Cutt LFXTAL066431Cutt XT9S20ANA14M7456 XT9SNLANA16M 646G-24-2 7A-24.576MBBK-T 7B-30.000MBBK-T WX26-32.768K-6PF 9B-14.31818MBBK-B CD1AM 7B-25.000MAAE-T 7A-14.31818MBBK-T 6504-202-1501 6526-202-1501 FA-118T 27.1200MB50P-K0 FC-135R 32.7680KA-A3 ABM12-104-37.400MHZT ABLS-10.000MHZ-D3W-T BTJ112E01E-513 BTJ722K01C-7067 BTL-20-513 TSX-3225 24.0000MF15X-AC TSX-3225 16.0000MF18X-AC BTJ120E02C BTL-12-513 7A-10.000MBBK-T 7A-11.0592MBBK-T ABM12-103-24.000MHZT CS325S25000000ABJT ABM3B-25.000MHZ-B2-X-T FC-135 32.7680KA-A5 FX0800015