

CERAMIC SMD ULTRA MINIATURE QUARTZ CRYSTAL

ABM11



2.0 X 1.6 X 0.45mm

ABM11



RoHS
Compliant

FEATURES:

- Fundamental mode.
- Suitable for reflow.
- Tight Stability available.
- Ceramic package and metal lid assures high precision and reliability.
- Seam sealing.

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	ABM11 Series
Frequency Range	18.000 MHz - 80.000 MHz*
Operation Mode	Fundamental
Operating Temperature	-10°C to +60°C (see options)
Storage Temperature	-40°C to +85°C
Frequency Tolerance*	± 30 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	10 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
18.0.0 - 20.0	300
20.0 - 25.0	200
25.0 - 40.0	100
40.0 - 80.0	60

Developed frequency list

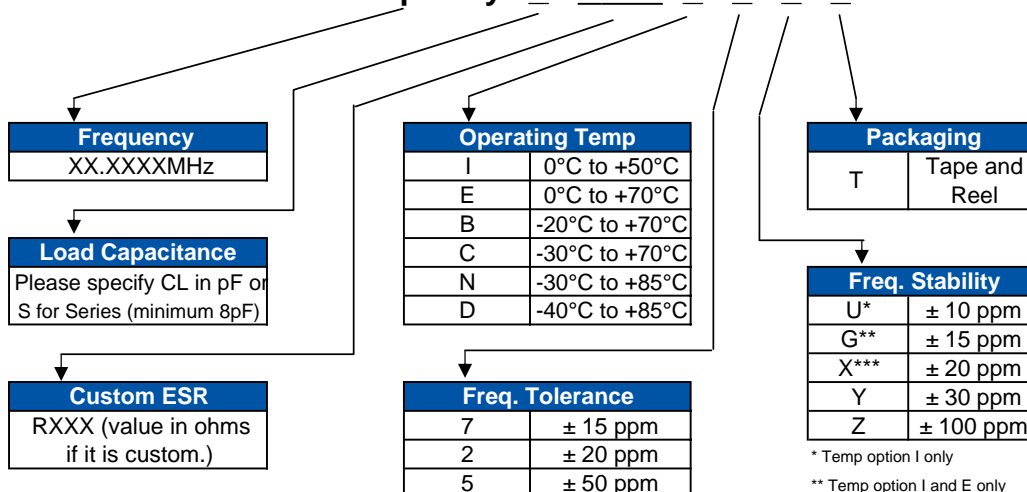
18.000000	26.000000
20.000000	27.000000
22.000000	27.003800
24.545450	28.636363

*please refer to list of developed frequencies
contact ABRACON for additional frequencies

(Note)*: Tolerance and Temp stability do not include Mechanical, Environmental, and Aging frequency shift.

OPTIONS AND PART IDENTIFICATION:

ABM11 - Frequency - □ - R□□□ - □ - □ - □ - □

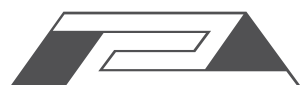


* Temp option I only

** Temp option I and E only

*** Temp option I, E, and B only

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



ABRACON
CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale **Revised (A): 03.11.08**

30332 Esperanza, Rancho Santa Margarita, California 92688

tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

CERAMIC SMD ULTRA MINIATURE QUARTZ CRYSTAL



ABM11

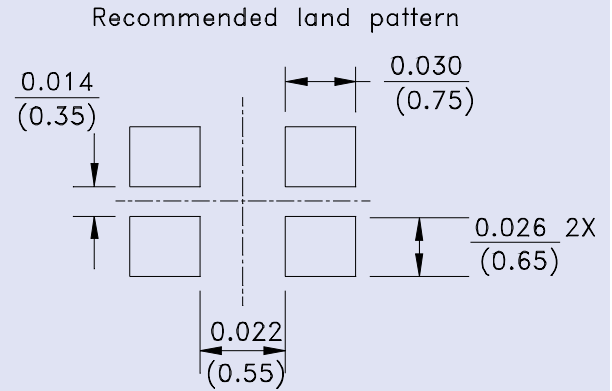
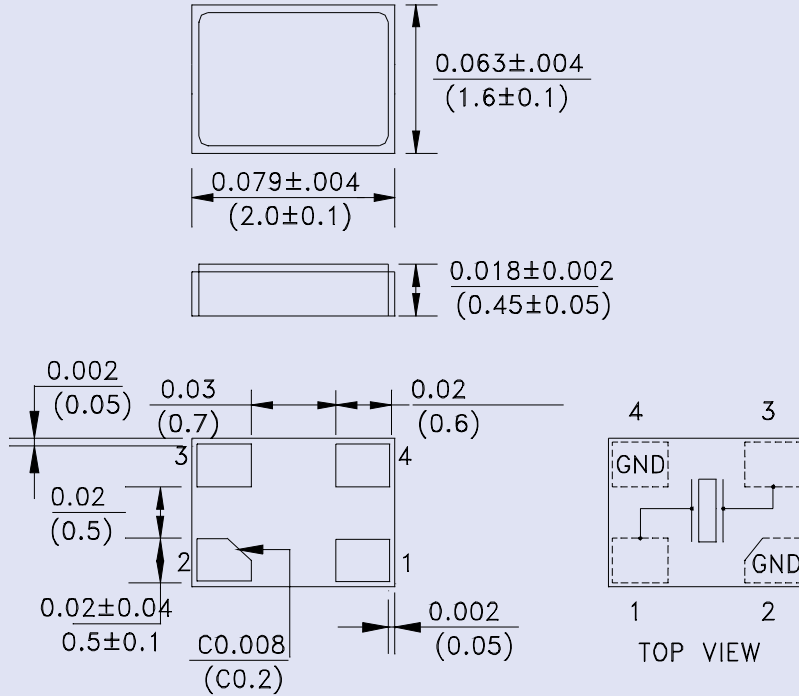
2.0 X 1.6 X 0.45mm

ABM11



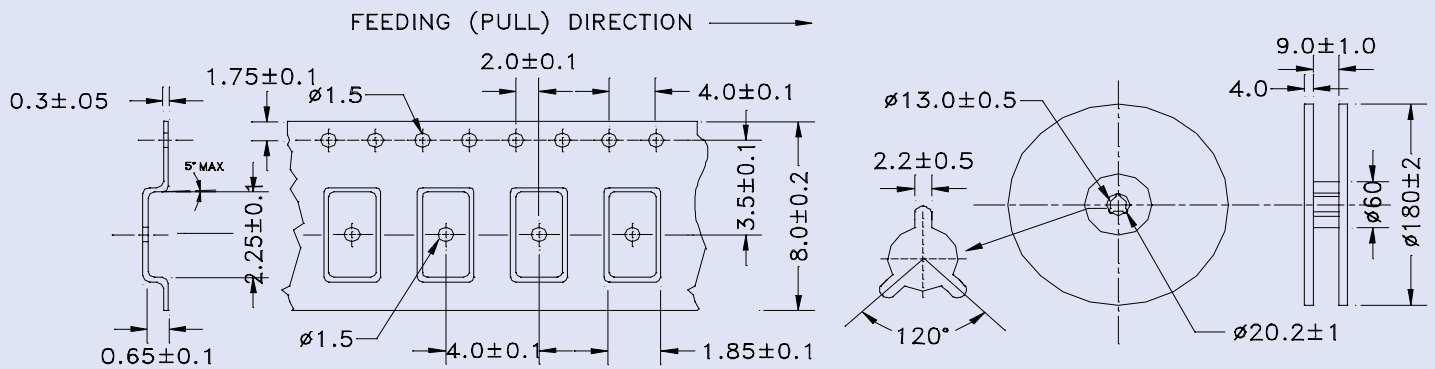
RoHS
Compliant

OUTLINE DRAWING:



Dimensions: inch (mm)

TAPE & REEL:



Dimensions: mm