CERAMIC SMD MICROPROCESSOR CRYSTAL

ABM2

Pb in Glass
(exempt per RoHS 2002/95/EC Annex (5))

RoHS Compliant



8.0 x 4.5 x 1.8mm

FEATURES:

- Glass sealed package
- Ceramic package assures high reliability
- Tight tolerance and stability available
- Suitable for solder reflow

APPLICATIONS:

- High density applications
- Modems, communication and test equipment
- PMCIA, Wireless applications
- Microprocessor crystals

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ABM2 Series
Frequency Range	6.000 MHz - 100.000 MHz
Operation Mode	AT-strip 6MHz - 50MHz (Fundamental) 30MHz - 100MHz (3rd Overtone)
Operating Temperature	-10°C to + 60°C (see options)
Storage Temperature	- 40°C to + 85°C
Frequency Tolerance at +25°C	± 50 ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref to +25°C)	± 50 ppm max. (see options)**
Equivalent Series Resistance	See Table 1
Shunt Capacitance C_0	7pF max.
Load Capacitance C_L	18pF (see options)
Drive Level	100µW max., 10µW Typical
Aging at 25°C First Year	± 5ppm max.
Insulation Resistance	500MΩ min. @ 100Vdc ± 15V

TABLE 1

Frequency (MHz)	ESR(Ω) max.
6.00-7.999 (Fund.)	200
8.00 - 9.999 (Fund.)	100
10.00 - 11.999 (Fund.)	80
12.00 - 49.00(Fund.)	50
30.00 - 100.00 (3rd O/T)	70

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ABM2 - Frequency - □ - R□□□- □ - □ - □ - □ - □

Frequency
XX.XXX MHz

Load Capacitance
Please specify CL in pF or S for Series (minimun

ESR
RXXX (Value in Ω)

Operating Temp.	
E	0°C to + 70°C
B	-20°C to +70°C
C	-30°C to +70°C
N	-30°C to +85°C
D	-40°C to +85°C

Freq. Tolerance	
1	± 10 ppm
7	± 15 ppm
2	± 20 ppm
3	± 25 ppm
4	± 30 ppm

Packaging	
T	Tape and Reel

Mode
F for Fundamental AT Cut for F>=30MHz
FB for Fundamental BT Cut for F>=30MHz

Freq. Stability	
U	± 10 ppm*
G	± 12 ppm*
X	± 20 ppm*
W	± 25 ppm
Y	± 30 ppm
H	± 35 ppm

* Standard operating temperature only.

** Frequency stability ± 100 ppm max. @ -40 C to 80 C for BT-cut.

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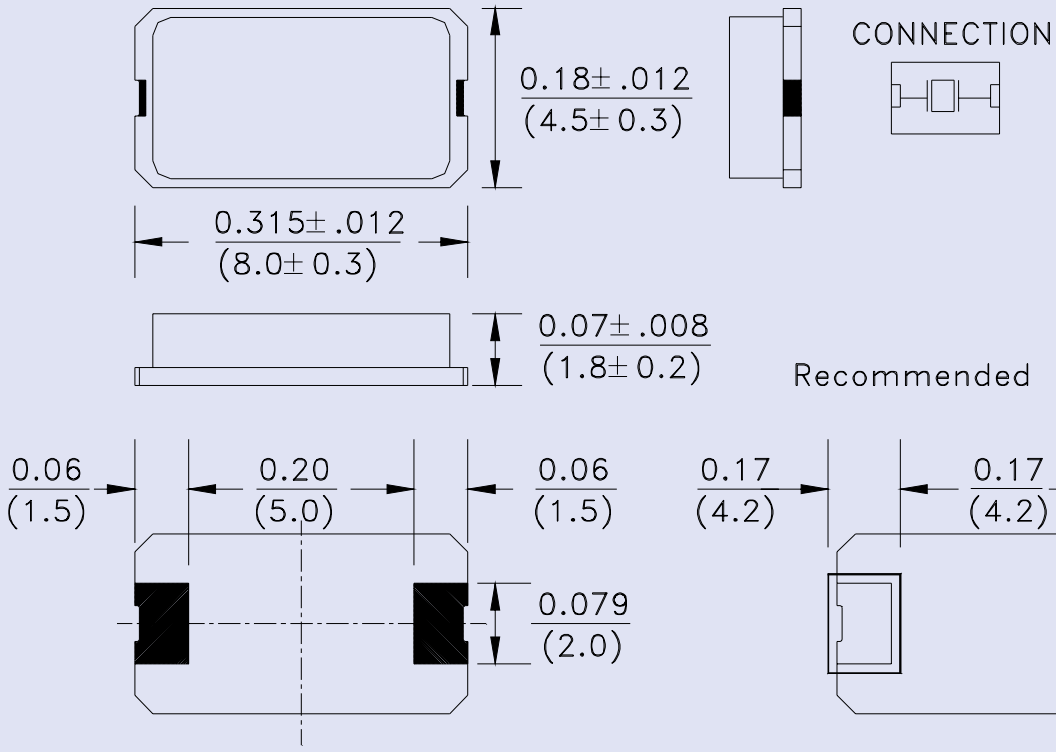
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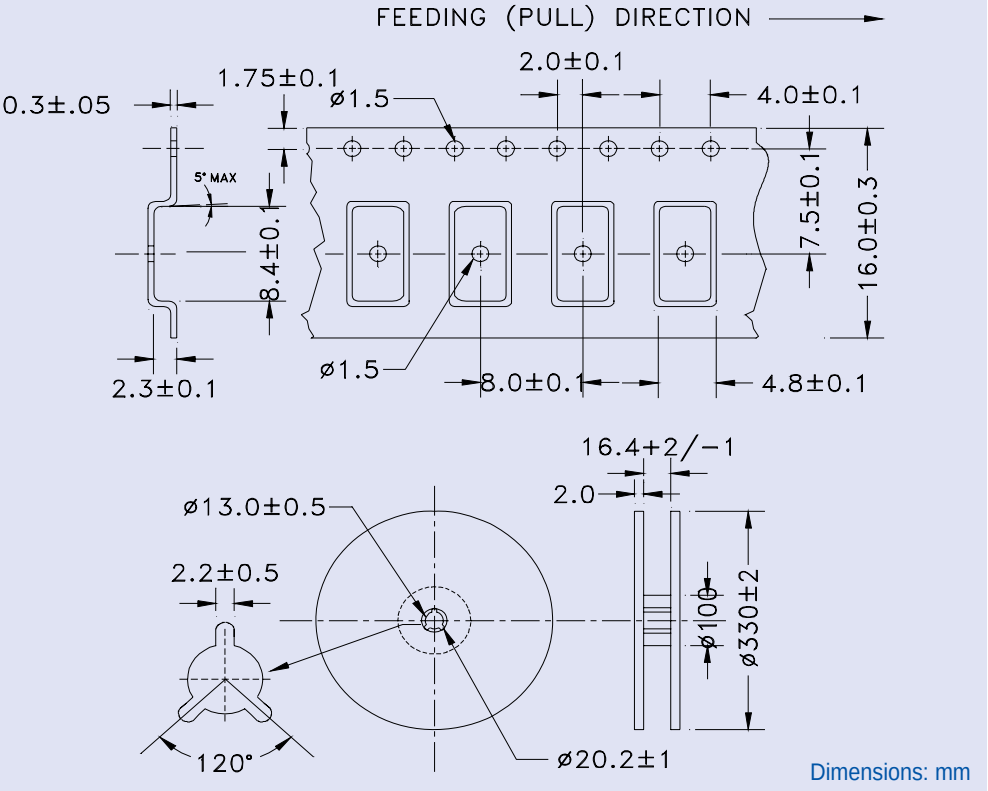
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OUTLINE DRAWING:



Dimensions: mm

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



Dimensions: mm