ULTRA MINIATURE CERAMIC SMD CRYSTAL



ABM8



3.2 x 2.5 x 0.7mm

FEATURES:

- Low in height; suitable for thin equipment.
- Ceramic package and metal lid assures high reliability.
- Tight tolerance and stability available.
- Suitable for solder reflow.
- High precision crystal, fundamental mode.

APPLICATIONS:

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

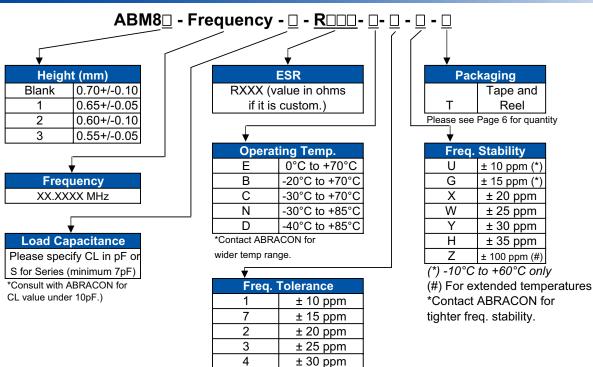
STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ABM8 Series
Frequency Range	10.00 MHz - 60.00 MHz
Operation Mode	Fundamental
Operating Temperature	-10°C to + 60°C (see options)
Storage Temperature	- 55°C to + 125°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 C₀	7pF max.
Load Capacitance C _L	18pF (see options)
Drive Level	100μ Ω max., 10μ Ω Typical
Aging at 25°C First Year	± 5ppm max.
Insulation Resistance	500 M Ω min. @ 100 Vdc \pm 15 V

TABLE 1

FREQ (MHz)	ESR (Ω)max.
10.000 - 15.999	200
16.000 - 19.999	100
20.000 - 29.999	80
30.000 - 60.000	50

OPTIONS AND PART IDENTIFICATION (Left blank if standard):





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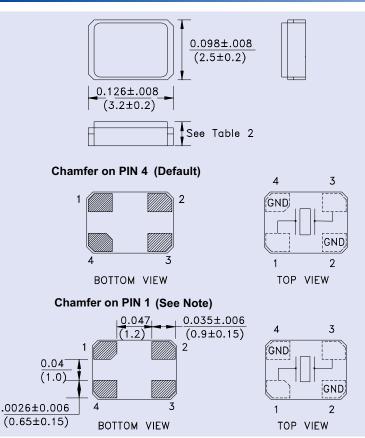






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OUTLINE DRAWING: Please see Table 2 below for height and chamfer information



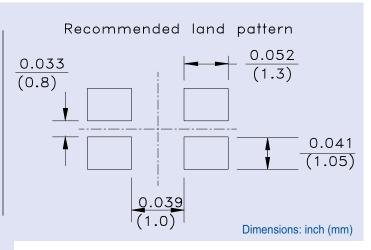
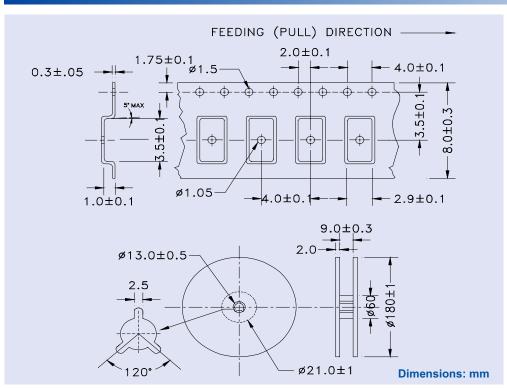


TABLE 2

	t (mm)	Chamfer PIN #
ABM8	0.70+/-0.10	#4 (Default), #1 (See Note)
ABM81	0.65+/-0.05	#1 only
ABM82	0.60+/-0.10	#4 (Default), #1 (See Note)
ABM83	0.55+/-0.05	#1 only

Note: Due to the availability of raw materials, this part may be manufactured with the chamfer on pin 1. Be advised that this does not affect the electrical characteristics of the crystal in any way.

> TAPE & REEL:



Tape and reel (1,000pcs/reel): ABM8, ABM82
Tape and reel (3,000pcs/reel): ABM81, ABM83

ABRACON IS ISO 9001 / QS 9000 CERTIFIED

