

LOW FREQUENCY SMD CRYSTAL

ABSM8



8.0 x 3.8 x 2.5mm

ABSM8

* RoHS COMPLIANT

FEATURES:

- Tight frequency stability available.
- Economical surface mount design

APPLICATIONS:

- Communication equipment
- High-density circuit boards
- Measuring instruments

STANDARD SPECIFICATIONS:

PARAMETERS	
Nominal Frequency	6.000MHz - 27.000MHz
Operating Temperature	-40°C to + 85°C
Storage Temperature	-55°C to +125°C
Frequency Tolerance	± 100 ppm max. (see option)
Frequency Stability	± 50 ppm max. (see option)
Equivalent Series Resistance	See Table 1
Load Capacitance CL	16pF (see option)
Shunt Capacitance	5pF
Drive Level	500µW max., 100µW correlation
Aging at 25°C/year	± 5ppm max.
Insulation Resistance	500 MΩ min. with 100 Vdc
Parabolic Temperature	25 ± 5°C

OPTIONS AND PART IDENTIFICATION (Left blank if standard):

ABSM8 - Frequency - CL - ESR - Tolerance - Stability - Packaging

CL options:

Load cap. in pF (minimum 5 pF)
S for Series Resonance

ESR options:

RXXX (value in ohms max.)

Freq Tolerance options:

- 1 for ± 10 ppm max.
- 7 for ± 15 ppm max.
- 2 for ± 20 ppm max.
- 3 for ± 25 ppm max.
- 4 for ± 30 ppm max.
- 5 for ± 50 ppm max.

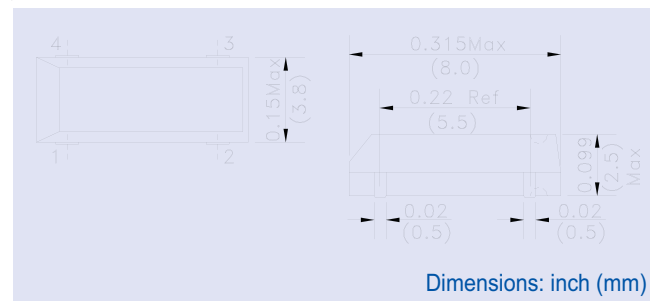
Freq Stability options:

- X for ± 20 ppm max.
- Y for ± 30 ppm max.

Packaging option:

T for Tape and Reel (3K/reel)

OUTLINE DRAWING:



MARKING INSTRUCTIONS:

A	1	6	3	C	5	E
Abracon						
First ten digit of frequency ex: 1 for 16MHz 0 for 6MHz				Month code (A to L) ex: A for January		
First unit digit of frequency ex: 6 for 16MHz 6 for 6MHz				Last digit of year ex: 5 for 2005		
First tenth digit of frequency ex: 3 for 16.31818MHz 0 for 6MHz				Traceability code Letter character ex: A, B, etc.		

TABLE 1:

Frequency Range (MHz)	Max ESR (Ω)
6.000 to 6.999 (Fund)	90
7.000 to 8.999 (Fund)	60
9.000 to 12.999 (Fund)	60
13.000 to 15.999 (Fund)	50
16.000 to 19.999 (Fund)	40
20.000 to 27.000 (Fund)	30

ABRACON IS
ISO 9001 / QS 9000
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