

MOLDED PLASTIC SMD MICROPROCESSOR CRYSTAL

ABSM2

*H = Pb in high temperature solder
(exempt per RoHS 2002/95/EC Annex (7))

RoHS
Compliant

ABSM2

12.5 x 4.6 x 3.7mm

FEATURES:

- Suitable for RoHS reflow
- Available tight tolerance and temperature stability

APPLICATIONS:

- Computers, Modems, Microprocessors
- Communication, Test equipment
- PCMCIA

STANDARD SPECIFICATIONS:

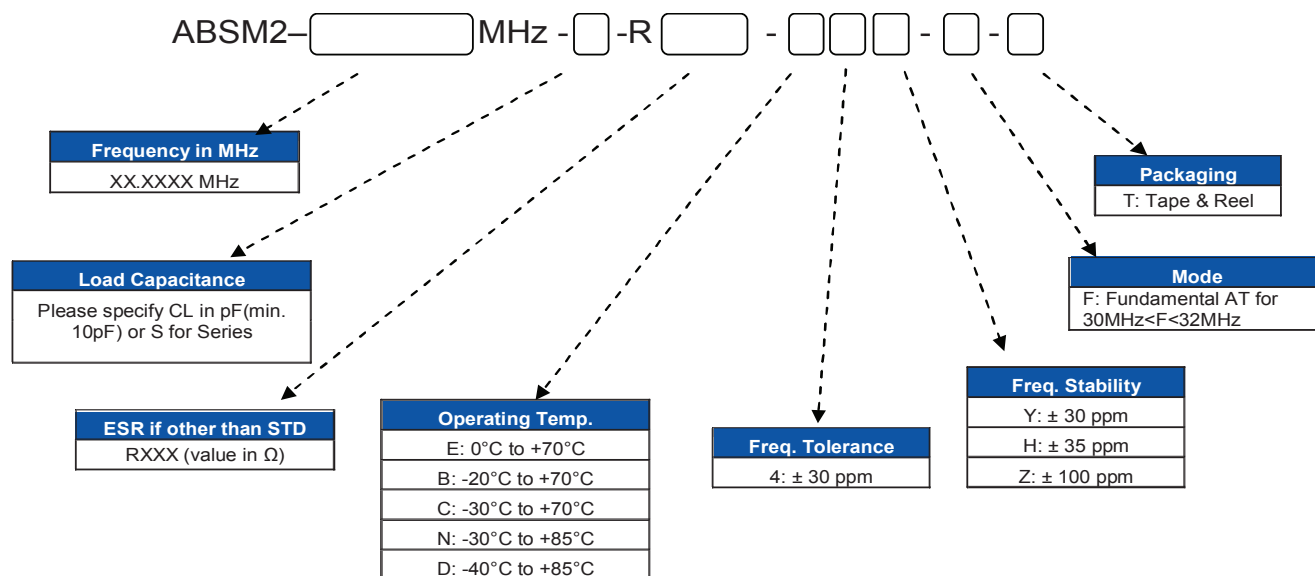
PARAMETERS

ABRACON P/N	ABSM2
Frequency Range	3.5 MHz to 70 MHz
Operation Mode	AT-cut (see options) 3.50 MHz - 30.000 MHz (Fundamental: standard) 30.001 MHz - 70.000 MHz (3rd Overtone: standard) 30.001 MHz - 32.000 MHz (Fundamental: option. See options below)
Operating Temperature	- 10°C to + 60°C (see options)
Storage Temperature	- 55°C to + 125°C
Frequency Tolerance	± 50 ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref to +25°C)	± 50 ppm max. (see options)
Equivalent Series Resistance (max)	See Table 1
Shunt Capacitance C ₀	7pF max.
Load Capacitance C _L	18pF (see options)
Drive Level	100µW max.
Aging at 25°C (first year)	± 5ppm max.
Insulation Resistance	500Ω min at 100Vdc ± 15Vdc

TABLE 1 - Standard ESR

Frequency (MHz)	ESR (Ω) max.
3.50 - 3.999	200
4.000 - 5.999	150
6.000 - 11.999	100
12.000 - 32.00(Fund)	50
30.000 - 35.999(3rd O/T)	100
33.000 - 70.00(3rd O/T)	80

OPTIONS & PART IDENTIFICATION: (Left blank if standard)



ABRACON IS
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30332 Esperanza, Rancho Santa Margarita, California 92688
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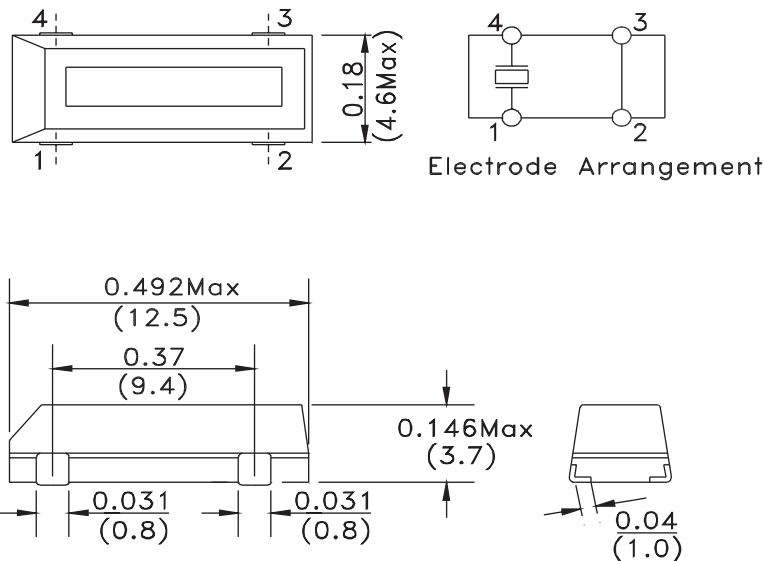
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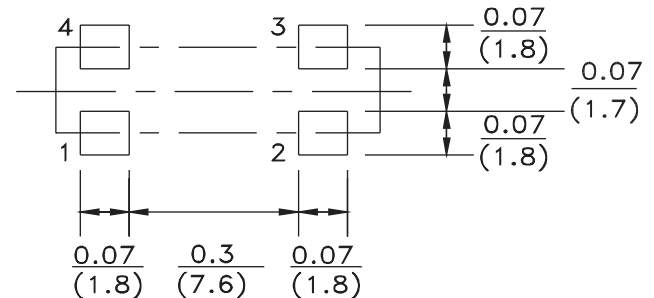
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OUTLINE DRAWING:

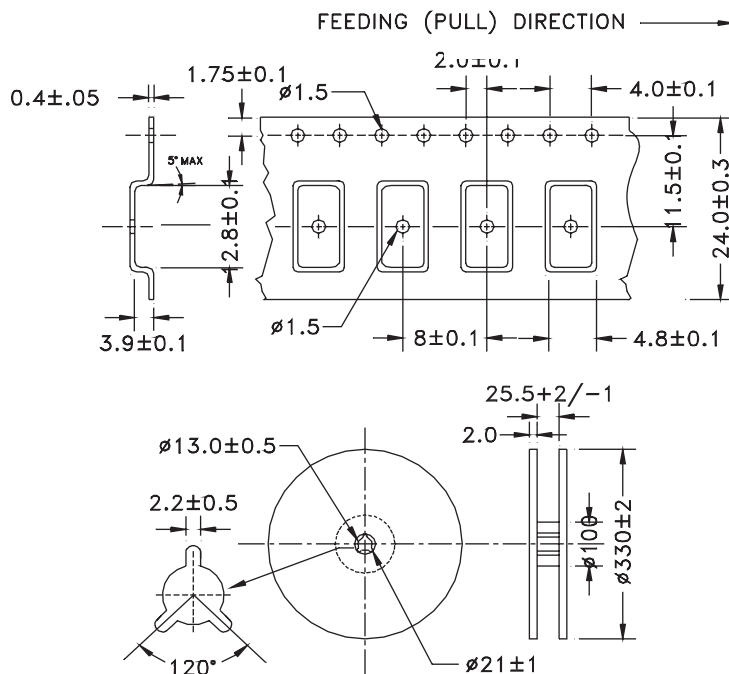


RECOMMENDED LAND PATTERN



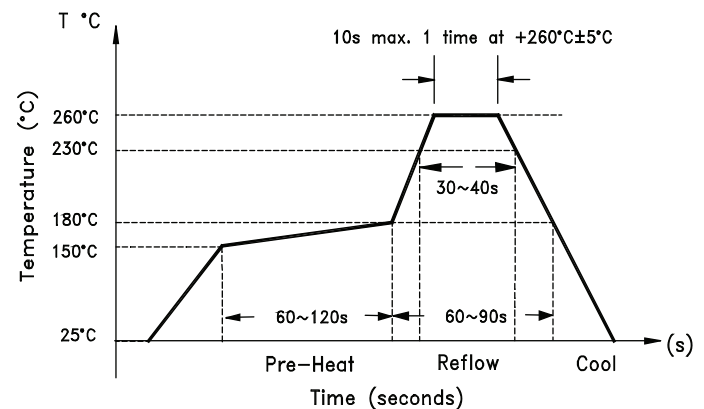
Dimensions: Inches (mm)

TAPE & REEL:



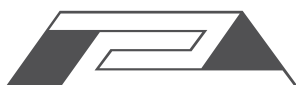
Dimensions: mm

REFLOW PROFILE:



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