MOLDED PLASTIC SMD MICROPROCESSOR CRYSTAL

ABSM2

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FEATURES:

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

STANDARD SPECIFICATIONS:

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

12.5 x 4.6 x 3.7mm

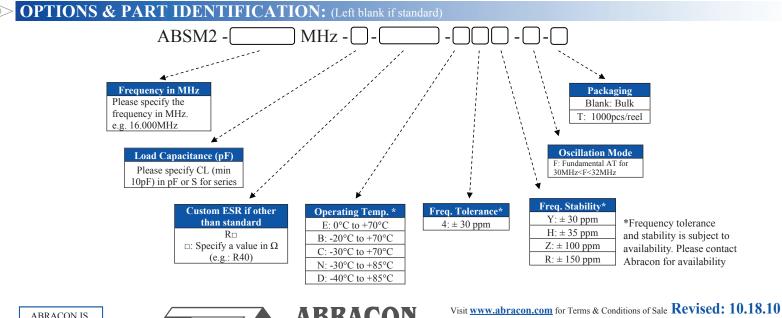
APPLICATIONS:

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

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	3.500		70.000	MHz	
Operation Mode	Fundamental: Standard				3.50 MHz - 30.000 MHz
	3rd Overtone: Standard				30.001 MHz - 70.000 MHz
	Fundamental: Option . See options below				30.001 MHz - 32.000 MHz
Operating Temperature	-10		+60	°C	See options
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C	-50		+50	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-50		+50	ppm	See options
Equivalent series resistance (R1)	See table 1 below			Ω	
Shunt capacitance (C0)			7.0	pF	
Load capacitance (CL)		18.0		pF	Standard (See options if other than STD)
Drive Level			100	μW	
Aging	-5		+5	ppm	@25°C±3°C First year
Insulation Resistance	500			MΩ	(<i>a</i>) 100 Vdc ± 15 V

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 - 32.000 (fund)	50		
30.000 - 35.999 (3rd overtone)	100		
33.000 - 70.000 (3rd overtone)	80		



ABRACON IS ISO9001:2008 CERTIFIED



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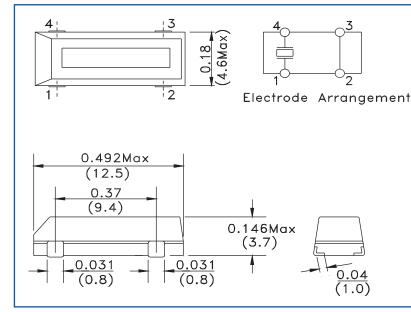
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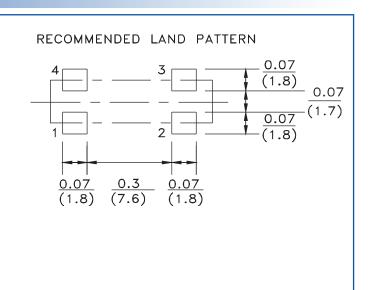
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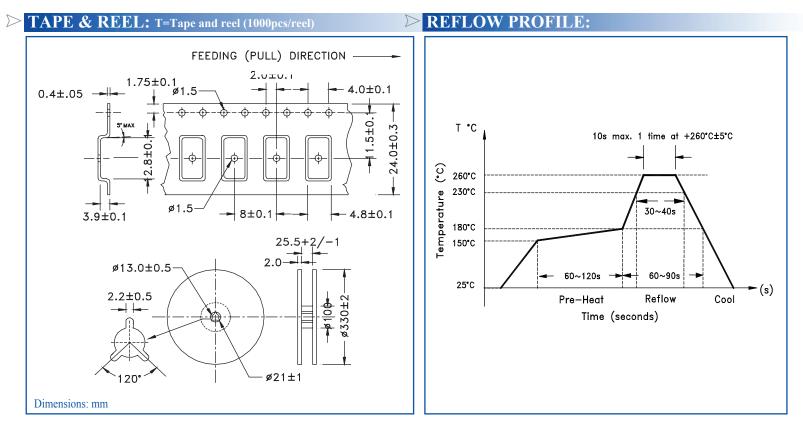
12.5 x 4.6 x 3.7mm

OUTLINE DRAWING:





Dimensions: Inches (mm)



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.





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