

MICROPROCESSOR CRYSTALS

MOLDED PLASTIC SURFACE MOUNT

ABSM



13.2 x 4.7 x 4.3 mm

FEATURES:

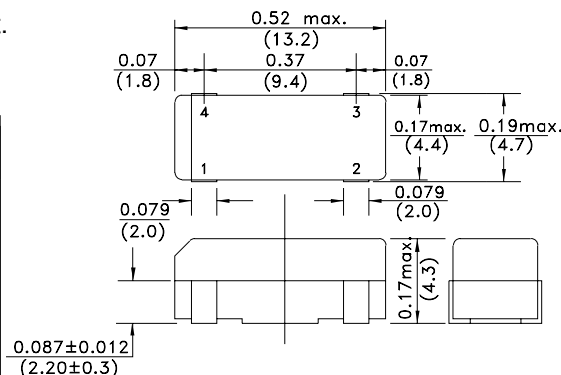
- Wide frequency range.
- Excellent heat resistance.
- Economical surface mount design.
- Suitable for solder reflow.

APPLICATIONS:

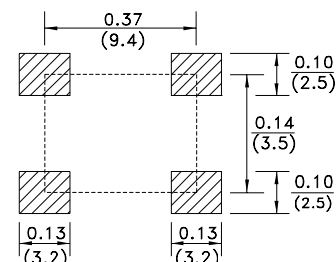
- Communication equipment.
- A / V equipment.
- Measuring instruments.

STANDARD SPECIFICATIONS

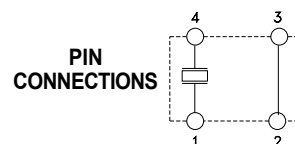
Frequency Range	3.57MHz - 70MHz
Operation Mode	3.57MHz ~ 25MHz (Fundamental) 25.01MHz ~ 45MHz (Fund. BT or AT) 30.0MHz ~ 70MHz (3rd overtone)
Operating Temperature	-10°C to +60°C (See Options)
Storage Temperature	- 40° to +85°C
Frequency Tolerance @ 25°C	±50ppm max. (See Options)
Frequency Stability over Temp.	±100ppm max. (See Options)
Equivalent Series Resistance (ESR)	200 Ω max. for 3.57MHz ≤ F < 4.0MHz 150 Ω max. for 4.0MHz ≤ F < 5.0MHz 120 Ω max. for 5.0MHz ≤ F < 6.0MHz 100 Ω max. for 6.0MHz ≤ F < 7.0MHz 80 Ω max. for 7.0MHz ≤ F < 9.0MHz 60 Ω max. for 9.0MHz ≤ F < 13.0MHz 40 Ω max. for 13.0MHz ≤ F ≤ 45.0MHz
Fundamental	
3rd Overtone	100 Ω max. for 30.0MHz ≤ F ≤ 70MHz
Shunt Capacitance C ₀	7pF max.
Load Capacitance C _L	18pF (See Options)
Drive Level	100μW max.
Aging @ 25°C per Year	±5ppm max.
Insulation Resistance	500MΩ min. at 100Vdc ±15V



Recommended land pattern



Dimensions: Inches (mm)



Environmental, and mechanical specifications, see appendix C. Group 2.

Marking, see appendix G. Recommended handling, see appendix F.

Tape and Reel, see appendix H.(1,000 pcs/reel)

Reflow profile, see appendix E. Application notes, see appendix A.

ORDERING OPTIONS

ABSM - Frequency - CL - ESR - Temperature - Tolerance - Stability - Mode - Packaging

XX.XXXX MHz

RXXX
(value in Ω)

-Z for ± 50ppm

- T
(Tape & Reel)

Load cap. in pF
or -S for Series

-E for 0°C to +70°C
-B for -20°C to +70°C
-C for -30°C to +70°C
-N for -30°C to +85°C
-D for -40°C to +85°C

-3 for ± 25ppm
-4 for ± 30ppm

- F (Fundamental AT ≥ 30MHz)
- FB (Fundamental BT ≥ 30MHz)

NOTE: Left blank if standard • All specifications and markings subject to change without notice

ABRACON IS
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