

CERAMIC SURFACE MOUNT LOW PROFILE QUARTZ CRYSTALS

ABMM2



RoHS
Compliant



6.0 x 3.6 x 1.2 mm

FEATURES:

- Suitable for solder reflow
- Low in height - suitable for thin equipment
- ATstrip cut offers a tight tolerance & stability

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ABMM2 Series
Frequency Range	7.3728MHz to 110.00MHz
Operation Mode	7.3728MHz ~ 30.00MHz (Fundamental: Standard) 30.01.00MHz ~ 50.00MHz (Fundamental: See options) 30.01MHz ~ 100.00MHz (3rd Overtone: Standard) 90.00MHz ~ 110.00MHz (5th Overtone: Standard)
Operating Temperature	-10°C to + 60°C (see option)
Storage Temperature	- 40°C to + 85°C
Frequency Tolerance @ 25°C	± 20 ppm max. (See Options)
Frequency Stability over Operating Temp. (Ref to +25°C)	± 20 ppm max. (See Table 1)
Equivalent Series Resistance	See Table 1
Shunt Capacitance C ₀	7pF max.
Load Capacitance C _L	18pF (see options)
Drive Level	500µW max., 100µW correlation
Aging at 25°C First Year	± 2ppm max.
Insulation Resistance	500MΩ min. @ 100Vdc ± 15V

TABLE 1

Frequency (MHz)	ESR (Ω)	Frequency (MHz)	ESR (Ω)
7.3728 - 7.999999(Fund)	150	30 - 100 (3rd OT)	60
8.0 - 9.999999(Fund)	72	90 - 110 (5th O/T)	80
10.0 - 50.0(Fund)	50		

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)



