

CERAMIC SMD ULTRA MINIATURE QUARTZ CRYSTAL

ABM10

*RoHS COMPLIANT

ABM10



2.5 X 2.0 X 0.55mm

FEATURES:

- RoHS compliant
- Suitable for reflow
- Tight stability available
- Ceramic package seam welded sealing assures high precision and reliability.

APPLICATIONS:

- Blue-tooth, Wireless applications
- Computers, Modems, Microprocessors
- Communication, Test equipment
- High density applications
- PCMCIA

STANDARD SPECIFICATIONS:

PARAMETERS	
Frequency Range	16.000 MHz - 80.000 MHz
Operation Mode	Fundamental
Operating Temperature	- 10°C to + 60°C (see options)
Storage Temperature	- 40°C to + 85°C
Frequency Tolerance @ 25°C	± 20 ppm max. (see options)
Frequency Stability	± 30 ppm max. (see options)
Equivalent Series Resistance	See table 1
Shunt Capacitance C0	7 pF max.
Load Capacitance CL	10 pF (see options)
Drive Level	200 µW max., 10 µW correlation
Aging (First Year) @ 25°C ± 3°C	± 5ppm max.
Insulation Resistance	500 MΩ min at 100Vdc ± 15 Vdc

TABLE 1

FREQ (MHz)	ESR (Ω)max.
20.000 - 29.999	100
30.000 - 60.000	60

MARKING:

- XX.X Frequency
- A ZYX ZY: date code, e.g. L2; Z: month A to L; Y: last digit of year; X: Traceability code

OPTIONS AND PART IDENTIFICATION (Left blank if standard):

ABM11 - Frequency - CL - ESR - Temperature - Tolerance - Stability - Packaging

Load Capacitance option:

Please specify CL in pF or S for Series (min 10 pF)

ESR option:

RXXX (value in ohms)

Packaging option:

T for Tape and Reel (1,000pcs/reel)

Freq Tolerance options:

7 for ± 15 ppm

3 for ± 25 ppm

4 for ± 50 ppm

Temp.	±10ppm	±15ppm	±20ppm	±30ppm	±50ppm	±100ppm
0 to 50	I 10	I 15	I 20	I 30	I 50	I 100
-10 to 60	X	A 15	A 20	STD	A 50	A 100
-20 to 70	X	X	E 20	E 30	E 50	E 100
-30 to 70	x	x	x	C 30	C 50	C 100
-40 to 85	x	x	x	D 30	D 50	D 100

OUTLINE DRAWING:

