

CERAMIC SMD ULTRA MINIATURE QUARTZ CRYSTAL



2.5 x 2.0 x 0.55 mm



ABM10

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
- Portable radios and MP3 players

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	ABM10 Series
Frequency Range	16.00 MHz - 80.00 MHz
Operation Mode	Fundamental
Operating Temperature	- 10°C to + 60°C (see options)
Storage Temperature	- 40°C to + 85°C
Frequency Tolerance	± 20 ppm max. (see options)
Frequency Stability	± 30 ppm max. (see options)
Equivalent Series Resistance	See Table 1
Shunt Capacitance C ₀	7pF max.
Load Capacitance C _L	10pF (see options)
Drive Level	200µW max., 10µW typical
Aging at 25°C ± 3°C Per Year	± 5ppm max.
Insulation Resistance	500MΩ min with 100Vdc ± 15Vdc

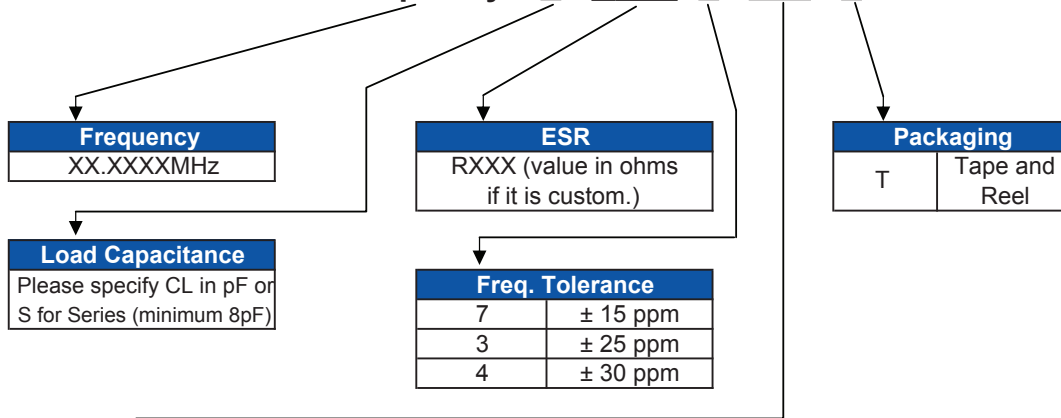
TABLE 1 - Standard ESR

FREQ (MHz)	ESR (Ω)max.
16.0 - 20.0	150
20.0 - 30.0	100
30.0 - 80.0	60

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ABM10 - Frequency - - R - - -



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

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



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