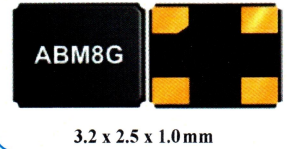


# ULTRA MINIATURE CERAMIC GLASS SEALED SMD CRYSTAL

**ABM8G**

Pb in glass  
(exempt per RoHS 2002/95/EC Annex (5))

**RoHS**  
Compliant



3.2 x 2.5 x 1.0 mm

## FEATURES:

- Low in height; suitable for thin equipment.
- Glass sealed package assures high reliability and high temperature operation
- Tight tolerance and stability available.
- IR reflow capable
- Low cost version of ABM8 crystal

## APPLICATIONS:

- Automotive applications
- High density applications.
- Modems, communication and test equipment.
- PCMCIA, Wireless applications

## OPTIONS AND PART IDENTIFICATION (left blank if standard)

ABM8G – xxxxxMHZ-4Y-T	10pF 30/30ppm -10/+60°C	1K/Reel
ABM8G – xxxxxMHZ-B4Y-T	10pF 30/30ppm -20/+70°C	1K/Reel
ABM8G – xxxxxMHZ-18-D2Y-T	18pF 20/30ppm -40/+85°C	1K/Reel
ABM8G – xxxxxMHZ-B4Y-T	10pF 30/30ppm -20/+70°C	1K/Reel

## STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ABM8G Series
Frequency Range	12.000MHz - 50.000MHz
Operation Mode	Fundamental
Operating Temperature	-10°C to +60°C (see options)
Storage Temperature	-55°C to +125°C
Frequency Tolerance at +25°C	± 50ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref. to +25°C)	± 50ppm max. (see options)
Equivalent Series Resistance	See table 1
Shunt Capacitance C0	5.0pF max
Load Capacitance CL	10pF (see options)
Drive Level	100µW max., 10µW Typical
Aging (first year) at 25°C ± 3°C	±3ppm max.
Insulation Resistance	500 M Ω min. at 100 Vdc ±15V

TABLE 1- Standard ESR

Frequency (MHz)	ESR(Ω) max
12.000	120
12.001 - 20.000	80
20.001 - 28.000	60
28.001 - 50.000	50

ABRACON IS  
ISO 9001 : 2008  
CERTIFIED



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