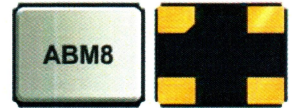


ULTRA MINIATURE CERAMIC SMD CRYSTAL



3.2 x 2.5 x 0.7mm

ABM8



**RoHS
Compliant**

➤ **FEATURES:**

- Low in height; suitable for thin equipment, 0.7mm max
- Seam sealed package assures high reliability
- Tight tolerance and stability available
- Suitable for RoHS reflow
- Available for fundamental and 3rd over tone mode

➤ **APPLICATIONS:**

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

➤ **OPTIONS AND PART IDENTIFICATION (left blank if standard)**

ABM8 – xxxxxMHZ-B2T	18pF 20/50ppm -20/+70°C	1K/Reel
ABM8 – xxxxxMHZ-10-1-U-T	10pF 10/10ppm -10/+60°C	1K/Reel
ABM8 – xxxxxMHZ-B4Y-T	18pF 30/30ppm -20/+70°C	1K/Reel
ABM8 – xxxxxMHZ-B2X-T	18pF 20/20ppm -20/+70°C	1K/Reel

➤ **STANDARD SPECIFICATIONS:**

Key Electrical Specifications

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	10.000	-----	125.000*	MHz	Contact Abracon for available F<11MHz
Operation Mode	Fundamental			-----	10MHz - 54MHz
	3rd Overtone (Standard Frequencies: 64, 66, 66.6666, 75, 80, 98.304, 100, 125MHz)			-----	64.000 MHz - 125.000 MHz Please contact Abracon for available frequencies
Operating Temperature	-10	-----	+60	°C	See options
Storage Temperature	-55	-----	+125	°C	
Frequency Tolerance @+25°C	-50	-----	+50	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-50	-----	+50	ppm	See options
Equivalent series resistance (R1)	See table 1 below			Ω	
Shunt capacitance (C0)	-----	-----	7.0	pF	
Load capacitance (CL)	-----	18.0	-----	pF	Standard (See options if other than STD)
Drive Level	-----	10	100	μW	
Aging	-3	-----	+3	ppm	@25°C±3°C First year
Insulation Resistance	500	-----	-----	MΩ	@ 100Vdc ± 15V

TABLE 1- Standard ESR

Frequency (MHz)	ESR(Ω) max	Frequency (MHz)	ESR(Ω) max
10.000 -11.999 (Fund)	200	30.000 - 39.999 (Fund)	40
12.000 -15.999 (Fund)	120	40.000 - 54.000 (Fund)	35
16.000 -19.999 (Fund)	70	66.000 - 80.000 (3rd OT)	120
20.000 - 29.999 (Fund)	50	98.304 - 125.000 (3rd OT)	80

ABRACON IS
ISO9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 01.19.11**
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