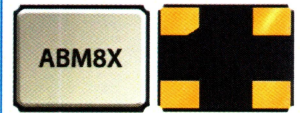


# ULTRA MINIATURE CERAMIC PACKAGE HIGH STABILITY SMD CRYSTAL

**ABM8X**



**RoHS**  
Compliant



3.2 x 2.5 x 0.6mm

## FEATURES:

- -40°C to +125°C wide operating temperature range
- ±40 ppm Max. All Inclusive frequency stability over 10-year product life
- Fundamental Mode, low ESR Quartz design
- Ultra miniature, Seam-Sealed, RoHS compliant reflow-able package

## APPLICATIONS:

- Zigbee based designs for indoor / outdoor applications
- Wireless Sensor Networks
- Industrial Control
- Home and Building Automation
- Consumer Electronics
- PC Peripherals

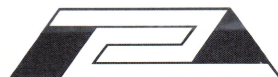
## OPTIONS AND PART IDENTIFICATION (left blank if standard)

ABM8X – 101-24.000MHZ-T	10pF	10/25ppm	-40/+125°C	1K/Reel
ABM8x – 101-32.000MHZ-T	10pF	10/25ppm	-40/+125°C	1K/Reel

## STANDARD SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency	-----	24.000 32.000	-----	MHz	
Operation Mode	Fundamental				
Operating Temperature	-40	-----	+125	°C	
Storage Temperature	-55	-----	+155	°C	
Overall Frequency Stability (All inclusive)	-40	-----	+40	ppm	
Frequency Tolerance	-10	-----	+10	ppm	
Frequency Stability over the Operating Temperature Range ( ref. to +25°C)	-25	-----	+25	ppm	
Aging	-5	-----	+5	ppm	@25±3°C 10 years
Equivalent series resistance (R1)	-----	-----	60	Ω	
Shunt capacitance (C0)	-----	-----	2.5	pF	
Motional capacitance (C1)	-----	2.0	-----	fF	
Load capacitance (CL)	-----	10	-----	pF	
Drive Level	50	-----	100	μW	
Insulation Resistance	500	-----	-----	MΩ	@100Vdc±15V

ABRACON IS  
ISO9001:2008  
CERTIFIED



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CORPORATION

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