SMD ONE PORT 423.22MHz SAW RESONATOR

ASR423.22E

RoHS Compliant

5 x 5 x 1.35mm

▷ **STANDARD SPECIFICATIONS:**

| CHARACTERISTICS		UNIT	MIN.	TYP.	MAX.
Center Frequency Fo		MHz	423.145	423.220	423.295
Tolerance from Fo		KHz		±75	
Insertion Loss		dB	-	1.3	2.5
Quality Factor	Unloaded	-		12,300	
	50Ω loaded	-		1,900	
Temperature Stability	Turnover Temperature	°C	20.0	35.0	50
	Turnover Frequency	KHz		Fo	
	Freq. Temp. Coefficient	ppm/°C^2		0.037	
Frequency Aging		ppm/year		<±10	
DC Insulation Resistance		MΩ	1.0		
RF Equivalent RLC Model	Motional Resistance R_1	Ω		19	29
	Motional Inductance L_1	µH		89.547	
	Motional Capacitance C_1	fF		1.5808	
	Shunt Capacitance C_0	pF		2.5	2.4
Operating temp.		°C	-40°C to +85°C		
Storage temp.		°C	-45°C to +85°C		
Max. Rating	DC voltage	V	±10		
RF Power Dissipation		dBm	0		

Data measured with: Source Impedance: Zs=50Ω, Load Impedance: ZL=50Ω, TA=25°C
Electrostatic Sensitive Device. Handle with precaution.

▷ **MARKING:**
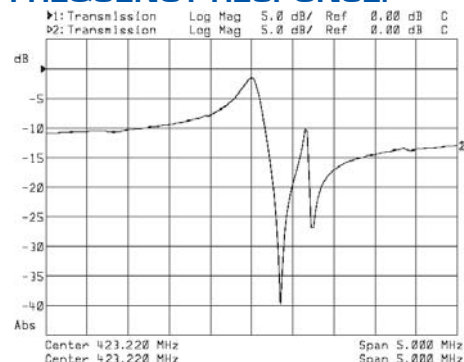
- 423.22R   (423.22 Frequency in MHz)
- A ZYX   (ZY: Date code Z for month
             from A to L; Y for year,
             I.e. 4 for 2004
             X: Traceability code)

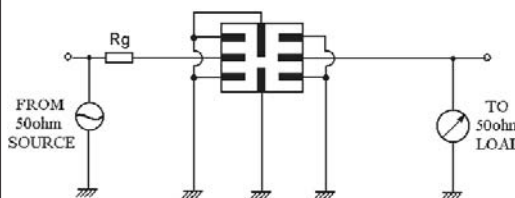| PIN NO.	CONNECTIONS
1	Input GND
2	Input
5	Output GND
6	Output
3,7	To be GNDed
4,8	Case GND

▷ **OUTLINE DRAWING:**

Dimensions: inch (mm)
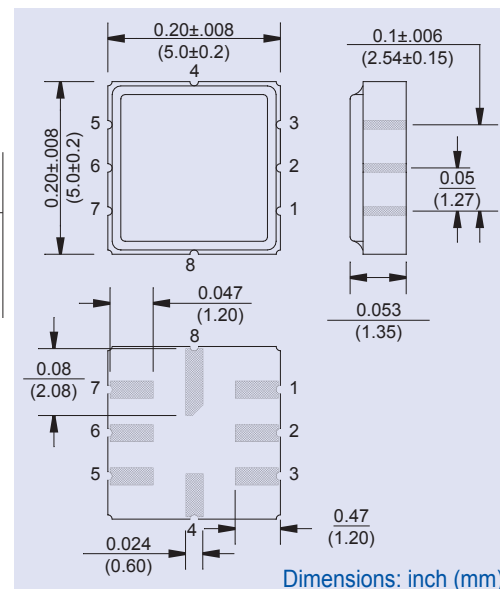
▷ **FREQUENCY RESPONSE:**

▷ **TEST CIRCUIT:**

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ABRACON](#):
  [ASR423.22E-T](#)