

# SMD ONE PORT 433.92 MHz SAW RESONATOR



5 x 5 x 1.35mm

ASR433.92E



**RoHS**  
Compliant

## STANDARD SPECIFICATIONS:

CHARACTERISTICS		UNIT	MIN.	TYP.	MAX.
Center Frequency Fo		MHz	433.845	433.920	433.995
Tolerance from Fo		KHz		±75	
Insertion Loss		dB	-	1.3	2.0
Quality Factor	Unloaded	-		10,500	
	50Ω loaded			1,450	
Temperature Stability	Turnover Temperature	°C	25	40	55
	Turnover Frequency	KHz		Fc	
	Freq. Temp. Coefficient	ppm/°C <sup>2</sup>		0.037	
Frequency Aging		ppm/year		±10	
DC Insulation Resistance		MΩ	1.0		
RF Equivalent RLC Model	Motional Resistance R <sub>1</sub>	Ω		16	26
	Motional Inductance L <sub>1</sub>	μH		61.724	
	Motional Capacitance C <sub>1</sub>	fF		2.1817	
	Shunt Capacitance C <sub>0</sub>	pF	1.9	2.2	2.5
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	10		

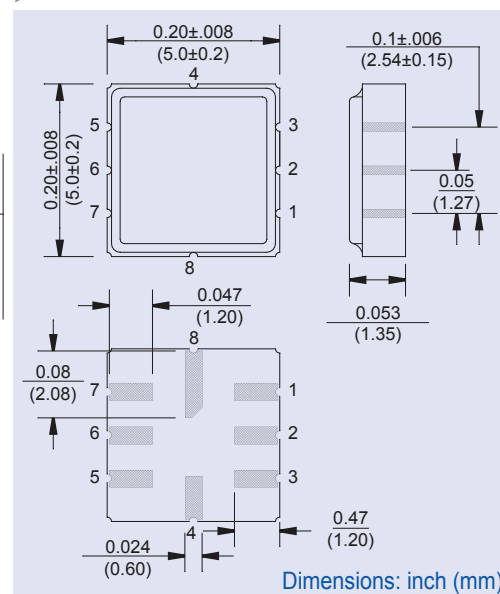
Data measured with: Source Impedance: Z<sub>s</sub>=50Ω, Load Impedance: Z<sub>L</sub>=50Ω, T<sub>A</sub>=25°C  
Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

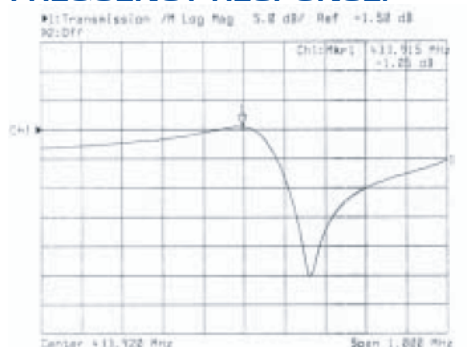
- 433.92 (433.92 Frequency in MHz)
- AR ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004  
X: Traceability code)

PIN NO.	CONNECTIONS
2	Input/Output
6	Output/Input
4 & 8	Case Ground
1,3,5,7	N/C

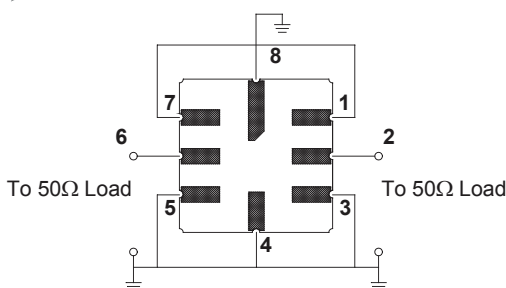
## OUTLINE DRAWING:



## FREQUENCY RESPONSE:



## TEST CIRCUIT:



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ABRACON IS  
ISO 9001:2008  
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