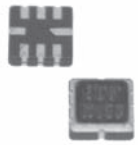
SMD ONE PORT 433.92 MHz SAW RESONATOR

ASR433.92E

RoHS Compliant



5 x 5 x 1.35mm

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^2		0.037	
Frequency Aging		ppm/year		±10	
DC Insulation Resistance		MΩ	1.0		
RF Equivalent RLC Model	Motional Resistance R_1	Ω		16	26
	Motional Inductance L_1	µH		61.724	
	Motional Capacitance C_1	fF		2.1817	
	Shunt Capacitance C_0	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: Zs=50Ω, Load Impedance: ZL=50Ω, TA=25°C

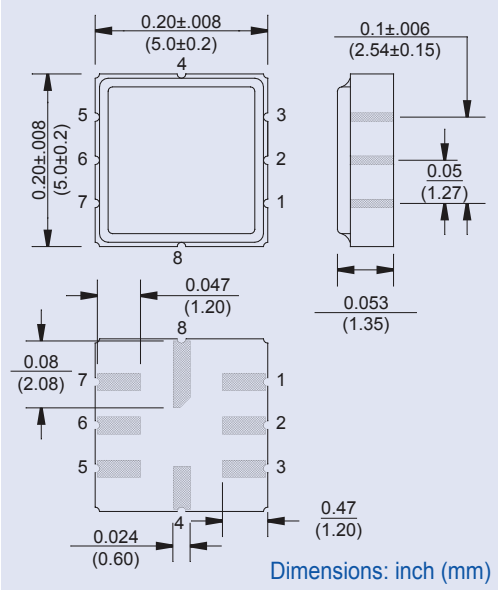
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

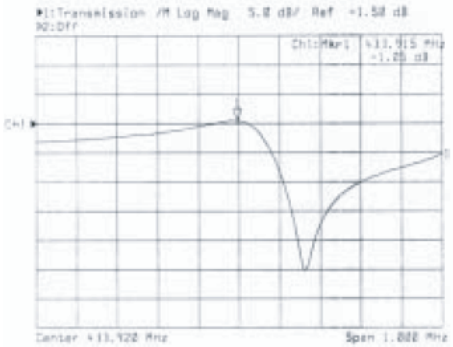
- 433.92 (433.92 Frequency in MHz)
- AR ZYX (ZY: Date code Z for month from A to L; Y for year, I.e. 4 for 2004 X: Traceability code)

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

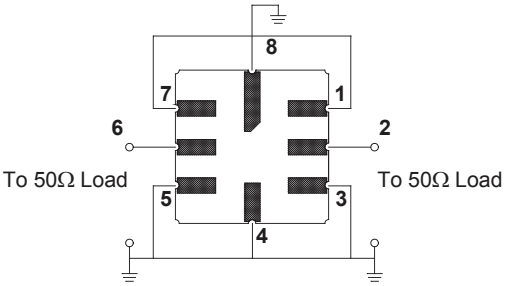
OUTLINE DRAWING:



FREQUENCY RESPONSE:



TEST CIRCUIT:



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