SMD ONE PORT 433.92 MHz SAW RESONATOR

ASR433.92E





> 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		⊠H		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:

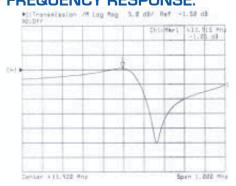
- 433.92 - AR ZYX (433.92 Frequency in MHz) (ZY: Date code Z for month from A to L; Y for year,

I.e. 4 for 2004

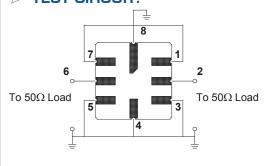
X: Traceability code)

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

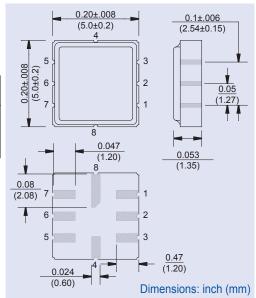
> FREQUENCY RESPONSE:



> TEST CIRCUIT:



> OUTLINE DRAWING:



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