# SMD ONE PORT 433.42 MHz SAW RESONATOR

ASR433.42E





# > STANDARD SPECIFICATIONS:

CHARACTERISTICS			UNIT	MIN.	TYP.	MAX.
Center Frequency Fo			MHz	433.345	433.420	433.495
Tolerance from Fo			KHz		±75	
Insertion Loss		dB	-	1.5	2.5	
Quality Factor	Unloaded		-		10,600	
	50Ω loaded				2,200	
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		19.0	33
	Motional Inductance L <sub>1</sub>		μΗ		101.841	
	Motional Capacitance C <sub>1</sub>		fF		1.3254	
	Shunt Capacitance C <sub>0</sub>		pF		2.3	
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= $50\Omega$ , Load Impedance: ZL= $50\Omega$ , TA= $25^{\circ}$ C Electrostatic Sensitive Device. Handle with precaution.

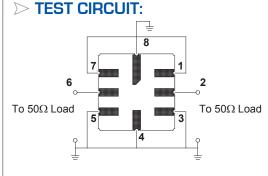
### > MARKING:

- 433.42R - A ZYX (433.42 Frequency in MHz) (ZY: Date code Z for month from A to L; Y for year,

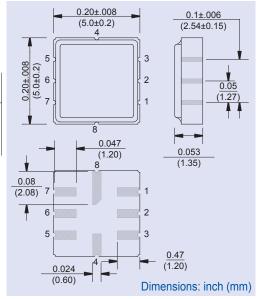
I.e. 4 for 2004 X: Traceability code)

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

# 



## > OUTLINE DRAWING:



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