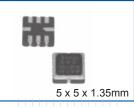
# SMD ONE PORT 433.42 MHz SAW RESONATOR

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	
	50 $\Omega$ 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>		μH		101.841	
	Motional Capacitance C1		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°C Electrostatic Sensitive Device. Handle with precaution.

#### > MARKING:

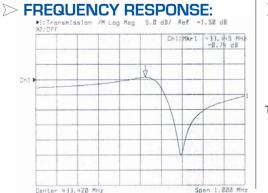
- 433.42R

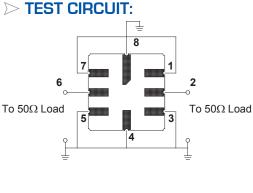
- A ZYX
- from A to L; Y for year,
  - I.e. 4 for 2004 X: Traceability code)

(433.42 Frequency in MHz)

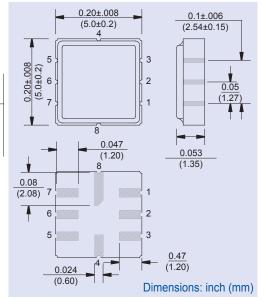
(ZY: Date code Z for month

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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