## 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>		⊠H		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.		С°	-45°C to +85°C			
Max. Rating	DC voltage	V	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

> FREQUENCY RESPONSE:

X: Traceability code)

dB/

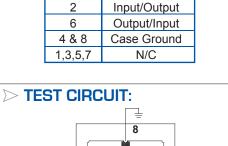
-1.50 dB

Span 1, 202 MHz

Ch1: Mkr1 433.445 MH: -0.74 dB

(433.42 Frequency in MHz)

(ZY: Date code Z for month



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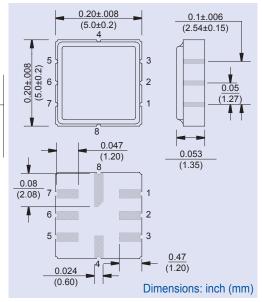
3

To  $50\Omega$  Load

PIN NO. CONNECTIONS

## > OUTLINE DRAWING:

**RoHS** Compliant



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ABRACON IS ISO 9001:2008 CERTIFIED

Center 433,420 MHz



To 50Ω Load

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