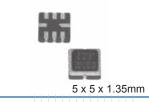
SMD ONE PORT 433.42 MHz SAW RESONATOR

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 Ω loaded				2,200	
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		19.0	33
	Motional Inductance L ₁		⊠H		101.841	
	Motional Capacitance C1		fF		1.3254	
	Shunt Capacitance C ₀		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/

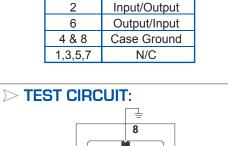
-1.50 dB

Span 1, 202 MHz

Ch1: Mkr1 433.445 MH: -0.74 dB

(433.42 Frequency in MHz)

(ZY: Date code Z for month



2

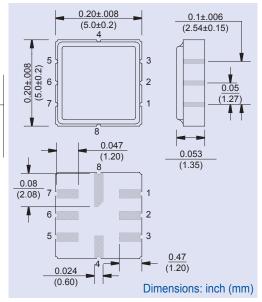
3

To 50Ω Load

PIN NO. CONNECTIONS

> OUTLINE DRAWING:

RoHS Compliant



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

4

ABRACON IS ISO 9001:2008 CERTIFIED

Center 433,420 MHz



To 50Ω Load

30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com