Excellent Integrated System Limited

Stocking Distributor

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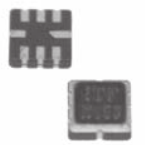
Abracon Corporation
ASR915E

For any questions, you can email us directly:
sales@integrated-circuit.com

SMD ONE PORT 915 MHz SAW RESONATOR

ASR915E

RoHS Compliant



5 x 5 x 1.35mm

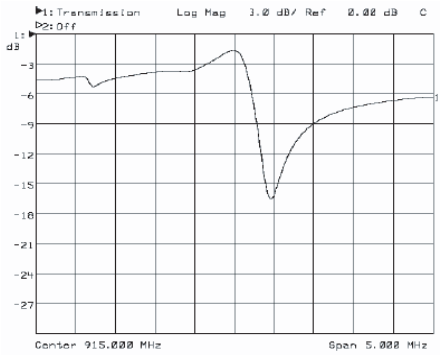
STANDARD SPECIFICATIONS:

Data measured with Source Impedance Zs=50Ω
Load Impedance ZL=50Ω TA=25°C

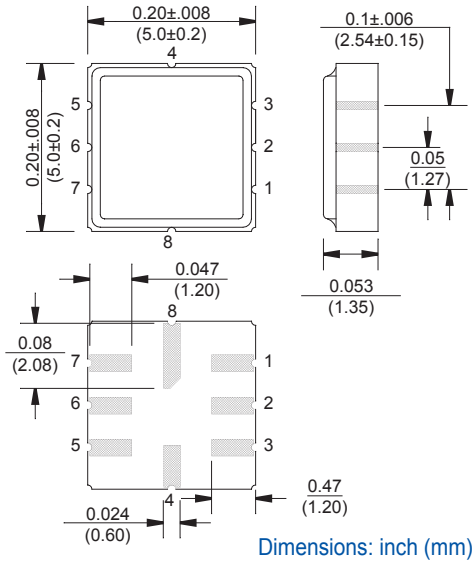
Item		Units	Minimum	Typical	Maximum
Center Frequency Fo		MHz	914.85	915.000	915.15
Insertion Attenuation @ 915MHz		dB	-	1.5	2.5
Quality Factor	Unloaded	-	--	8000.0	--
	50Ω loaded		--	1300.0	--
Temperature Stability	Turnover Temperature	°C	--	25.0	--
	Turnover Frequency	KHz	--	Fo	--
	Freq. Temp. Coefficient	ppm/°C^2	--	0.032	--
Frequency Aging		ppm/year	--	±10	--
DC Insulation Resistance		MΩ	1		--
RF Equivalent RLC Model	Motional Resistance R_1	Ω	--	18.0	--
	Motional Inductance L_1	µH	--	25.2	--
	Motional Capacitance C_1	fF	--	1.2	--
	Shunt Capacitance C_0	pF	--	1.6	--

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	0

FREQUENCY RESPONSE:

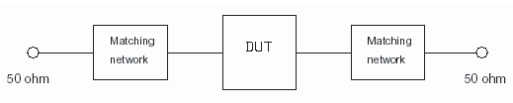


OUTLINE DRAWING:



Dimensions: inch (mm)

TEST CIRCUIT:



MARKING:

- 915R (915 Frequency in MHz)
- A ZYX (ZY: Date code Z for month from A to L; Y for year, I.e. 4 for 2004 X: Traceability code)

PIN NO.	CONNECTIONS
1	Input GND
2	Input
5	Output GND
6	Output
3,7	To be GNDed
4,8	Case GND

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.