

SMD ONE PORT 915 MHz SAW RESONATOR

ASR915E



RoHS
Compliant



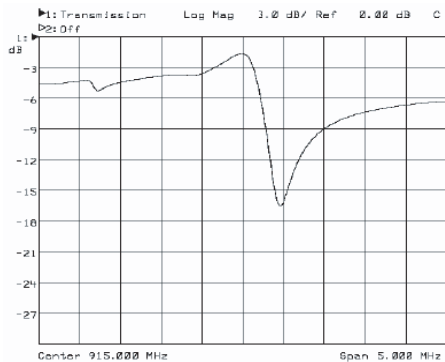
5 x 5 x 1.35mm

STANDARD SPECIFICATIONS:

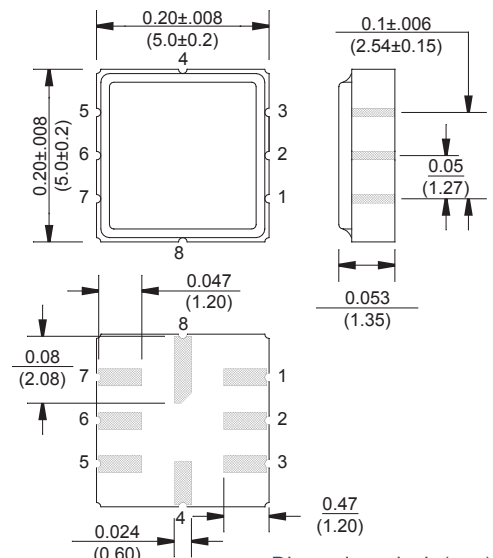
Data measured with Source Impedance $Z_s=50\Omega$
Load Impedance $Z_L=50\Omega$ $T_A=25^\circ\text{C}$

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:

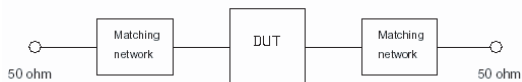


OUTLINE DRAWING:



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.

ABRACON IS
ISO 9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ABRACON:](#)

[ASR915.00A03-SE](#) [ASR915.00A03-SD02](#) [ASR915E-T](#) [ASR915E](#)