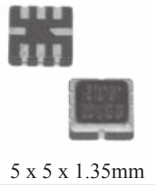


# SMD ONE PORT 915 MHz SAW RESONATOR

ASR915E



RoHS  
Compliant

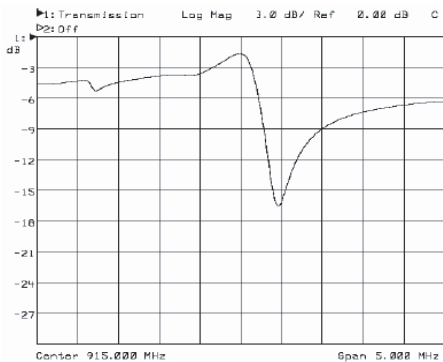


## STANDARD SPECIFICATIONS:

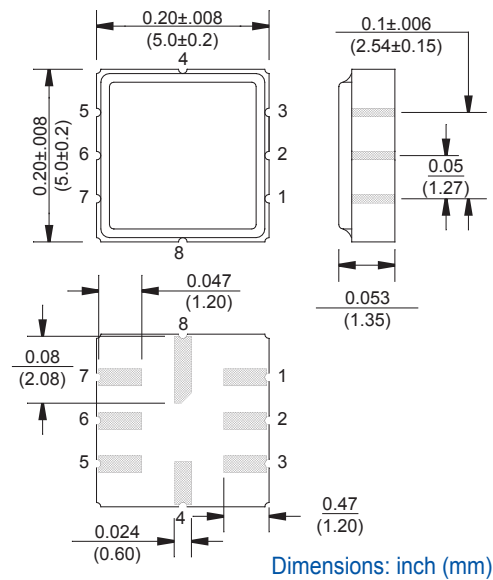
Data measured with Source Impedance  $Z_s=50\Omega$   
Load Impedance  $Z_L=50\Omega$  TA=25°C

Item	Units	Minimum	Typical	Maximum
<b>Center Frequency Fo</b>	MHz	914.85	915.000	915.15
<b>Insertion Attenuation @ 915MHz</b>	dB	-	1.5	2.5
<b>Quality Factor</b>	<b>Unloaded</b>	--	8000.0	--
	<b>50Ω loaded</b>	--	1300.0	--
<b>Temperature Stability</b>	Turnover Temperature	°C	25.0	--
	Turnover Frequency	KHz	Fo	--
	Freq. Temp. Coefficient	ppm/°C <sup>2</sup>	--	0.032
<b>Frequency Aging</b>	ppm/year	--	±10	--
<b>DC Insulation Resistance</b>	MΩ	1		--
<b>RF Equivalent RLC Model</b>	Motional Resistance R <sub>1</sub>	Ω	18.0	--
	Motional Inductance L <sub>1</sub>	μH	25.2	--
	Motional Capacitance C <sub>1</sub>	fF	1.2	--
	Shunt Capacitance C <sub>0</sub>	pF	1.6	--
<b>Operating temp.</b>	°C	-40°C to +85°C		
<b>Storage temp.</b>	°C	-45°C to +85°C		
<b>Max. Rating</b>	DC voltage	V	±10	
<b>RF Power Dissipation</b>	dBm	0		

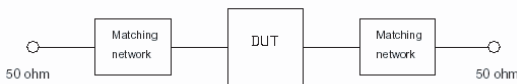
## FREQUENCY RESPONSE:



## OUTLINE DRAWING:



## 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

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