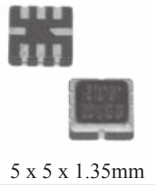


# SMD ONE PORT 915 MHz SAW RESONATOR

ASR915E



RoHS  
Compliant

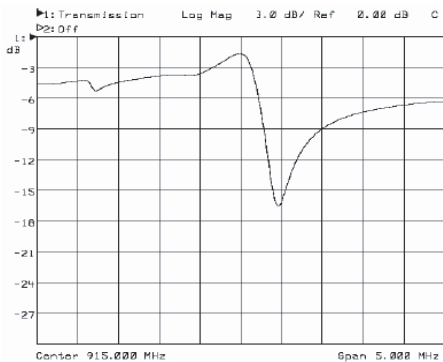


## STANDARD SPECIFICATIONS:

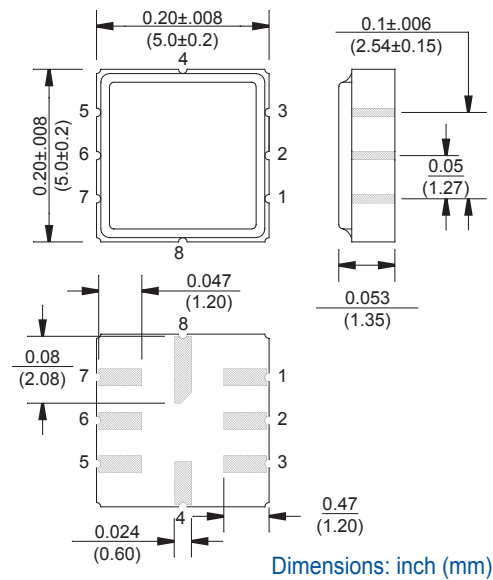
Data measured with Source Impedance  $Z_s=50\Omega$  Load Impedance  $Z_L=50\Omega$   $TA=25^\circ C$

Item	Units	Minimum	Typical	Maximum
<b>Center Frequency <math>F_0</math></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>50<math>\Omega</math> loaded</b>	--	1300.0	--
<b>Temperature Stability</b>	Turnover Temperature	$^\circ C$	25.0	--
	Turnover Frequency	KHz	$F_0$	--
	Freq. Temp. Coefficient	ppm/ $^\circ C^2$	--	0.032
<b>Frequency Aging</b>	ppm/year	--	$\pm 10$	--
<b>DC Insulation Resistance</b>	M $\Omega$	1		--
<b>RF Equivalent RLC Model</b>	Motional Resistance $R_1$	$\Omega$	18.0	--
	Motional Inductance $L_1$	$\mu H$	25.2	--
	Motional Capacitance $C_1$	fF	1.2	--
	Shunt Capacitance $C_0$	pF	1.6	--
<b>Operating temp.</b>	$^\circ C$	-40 $^\circ C$ to +85 $^\circ C$		
<b>Storage temp.</b>	$^\circ C$	-45 $^\circ C$ to +85 $^\circ C$		
<b>Max. Rating</b>	DC voltage	V	$\pm 10$	
<b>RF Power Dissipation</b>		dBm	0	

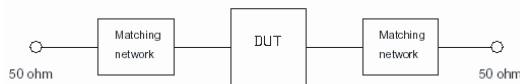
## FREQUENCY RESPONSE:



## 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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