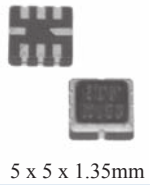


# SMD ONE PORT 915 MHz SAW RESONATOR

ASR915E



RoHS  
Compliant

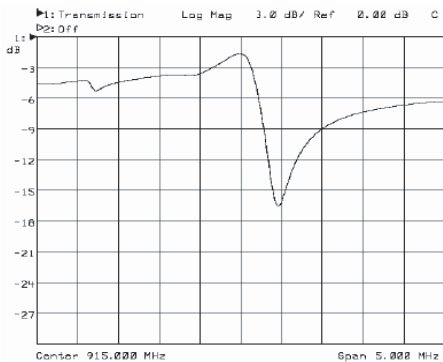


## STANDARD SPECIFICATIONS:

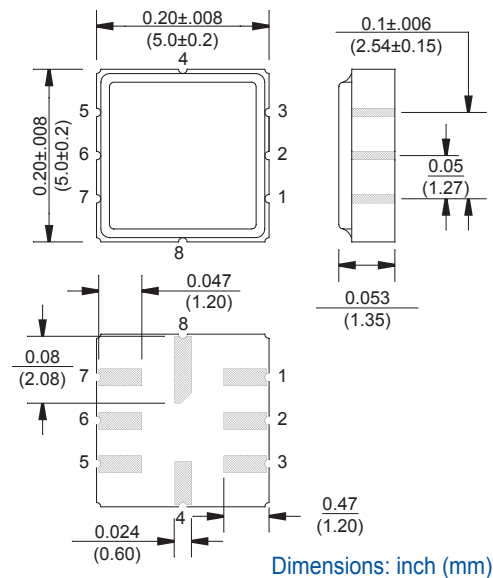
Data measured with Source Impedance  $Z_s=50\Omega$  Load Impedance  $Z_L=50\Omega$   $TA=25^\circ C$

Item	Units	Minimum	Typical	Maximum
Center Frequency $F_o$	MHz	914.85	915.000	915.15
Insertion Attenuation @ 915MHz	dB	-	1.5	2.5
Quality Factor	Unloaded	--	8000.0	--
	50 $\Omega$ loaded	--	1300.0	--
Temperature Stability	Turnover Temperature	$^\circ C$	25.0	--
	Turnover Frequency	KHz	$F_o$	--
	Freq. Temp. Coefficient	ppm/ $^\circ C^2$	--	0.032
Frequency Aging	ppm/year	--	$\pm 10$	--
DC Insulation Resistance	M $\Omega$	1		--
RF Equivalent RLC Model	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	--
Operating temp.	$^\circ C$	-40 $^\circ C$ to +85 $^\circ C$		
Storage temp.	$^\circ C$	-45 $^\circ C$ to +85 $^\circ C$		
Max. Rating	DC voltage	V	$\pm 10$	
RF Power Dissipation	dBm	0		

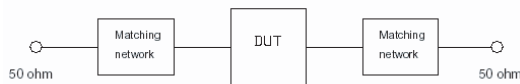
## FREQUENCY RESPONSE:



## 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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