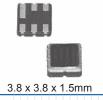
SMD ONE PORT 905.8 MHz SAW RESONATOR

ASR905.8S3





> STANDARD SPECIFICATIONS:

CHARACTERISTICS		UNIT	MIN.	TYP.	MAX.	
Center Frequency Fo		MHz		905.8		
Tolerance from Fo		KHz		±75		
Insertion Loss		dB	-	1.2		
Quality Factor	Unloaded		-		23,509	
	50Ω loaded				4,000	
Temperature Stability	Turnover Temperature		°C	10	25	40
	Turnover Frequency		KHz		Fc	
	Freq. Temp. Coefficient		ppm/°C ²		0.032	
Frequency Aging		ppm/year		±10		
DC Insulation Resistance		MΩ	1.0			
RF Equivalent RLC Model	Motional Resistance R ₁		Ω		14.95	
	Motional Inductance L ₁		μΗ		21.94	
	Motional Capacitance C ₁		fF		1.37	
	Shunt Capacitance C ₀		pF		1.95	
Operating temp.		°C	-20°C to +85°C			
Storage temp.		°C	-45°C to +85°C			
Max. Rating	DC voltage V		±10V			
RF Power Dissipation		dBm	0			

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

Electrostatic Sensitive Device. Handle with precaution.

> MARKING:

- 905.8R

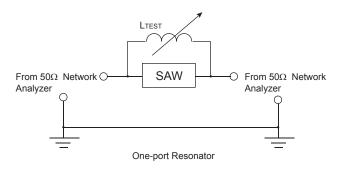
(905.8 Frequency in MHz) - A ZYX (ZY: Date code Z for month from A to L; Y for year,

I.e. 4 for 2004

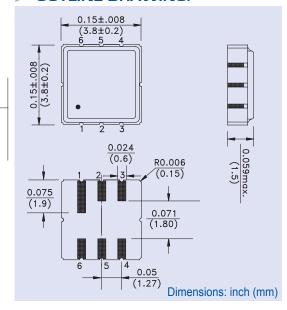
X: Traceability code)

PIN NO. CONNECTIONS 2 Input 5 Output Others NC

> TEST CIRCUIT:



> OUTLINE DRAWING:

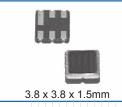




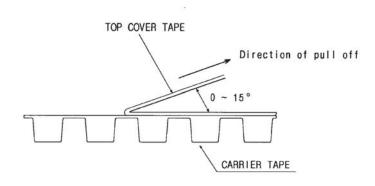


SMD ONE PORT 905.8 MHz SAW RESONATOR

ASR905.8S3



> PACKING:

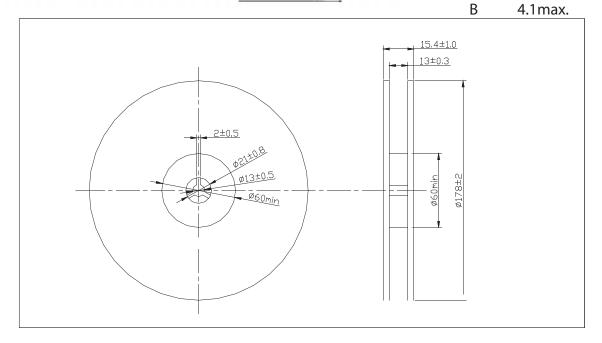


Feeding Hole (D0) D1 P2 P0 Feeding Hole (D0) D1 Tape Running Direction

TAPE SPECIFICATIONS

Tensile strength of carrier tape: 4.4N/mm width
Top cover tape adhesion
Pull off angle: 0 ~ 15°
Speed: 300mm/min.
Force: 20 ~ 70g.

12±0.3
5.5±0.1
1.75±0.1
4±0.2
8±0.1
2±0.2
Ø1.5±0.1
Ø1.5±0.25
0.31max.
1.95max.
4.1max.



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.

