

SMD ONE PORT 905.8 MHz SAW RESONATOR

ASR905.8S3



RoHS
Compliant



3.8 x 3.8 x 1.5mm

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	μH		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		

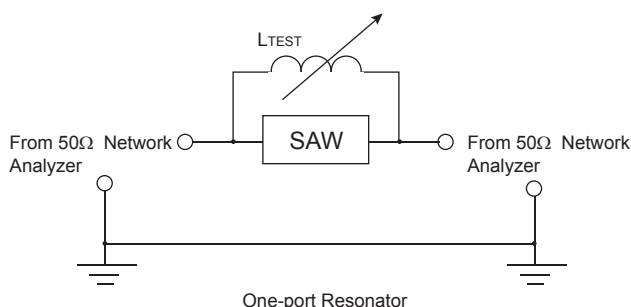
Data measured with: Source Impedance: Z_s=50Ω, Load Impedance: Z_L=50Ω, T_A=25°C
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

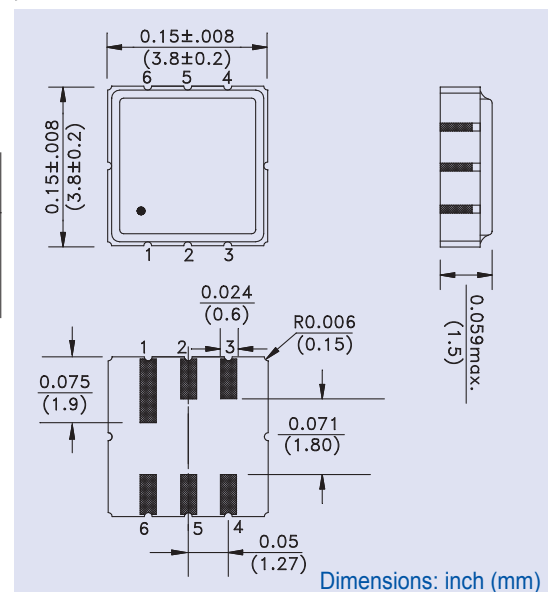
- 905.8R (905.8 Frequency in MHz)
- A ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004
X: Traceability code)

PIN NO.	CONNECTIONS
2	Input
5	Output
Others	NC

TEST CIRCUIT:



OUTLINE DRAWING:



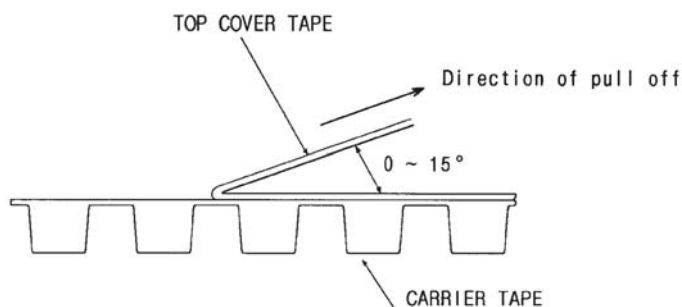
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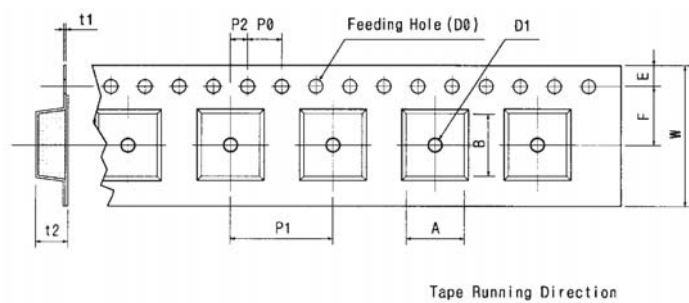
3.8 x 3.8 x 1.5mm

PACKING:

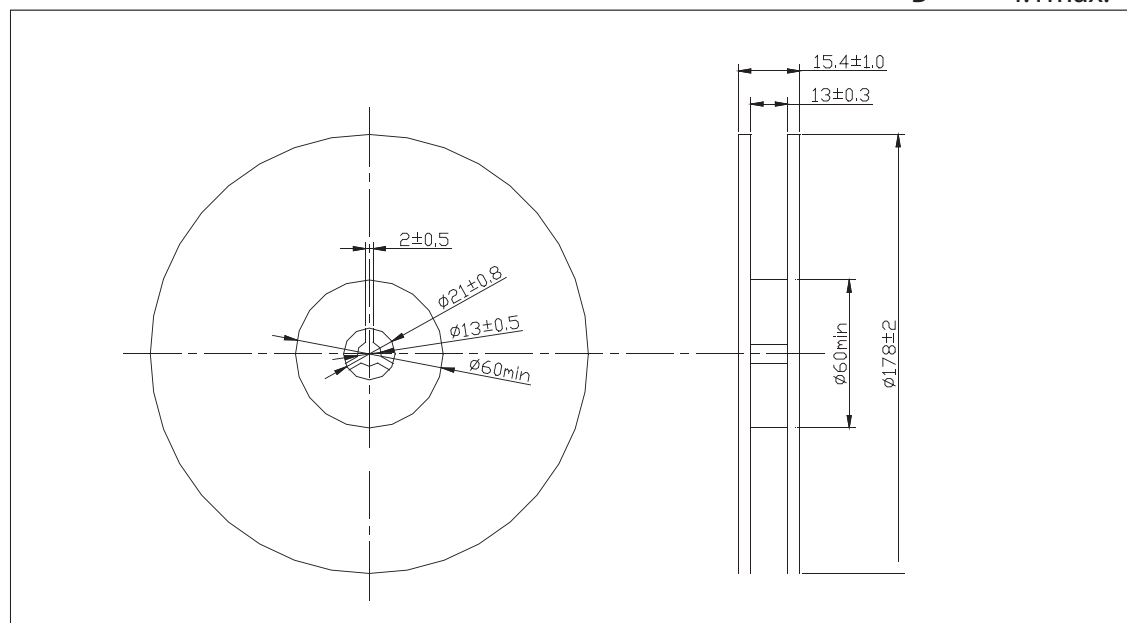


TAPE SPECIFICATIONS

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



W	12±0.3
F	5.5±0.1
E	1.75±0.1
P0	4±0.2
P1	8±0.1
P2	2±0.2
D0	Ø1.5±0.1
D1	Ø1.5±0.25
t1	0.31max.
t2	1.95max.
A	4.1max.
B	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.

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