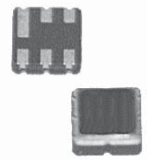


# SMD ONE PORT 905.8 MHz SAW RESONATOR

ASR905.8S3

APPLICATION: Automotive Electronics/Remote Control



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 <sup>2</sup>		0.032	
Frequency Aging		ppm/year		±10	
DC Insulation Resistance		MΩ	1.0		
RF Equivalent RLC Model	Motional Resistance R <sub>1</sub>	Ω		14.95	
	Motional Inductance L <sub>1</sub>	μH		21.94	
	Motional Capacitance C <sub>1</sub>	fF		1.37	
	Shunt Capacitance C <sub>0</sub>	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<sub>s</sub>=50Ω, Load Impedance: Z<sub>L</sub>=50Ω, T<sub>A</sub>=25°C

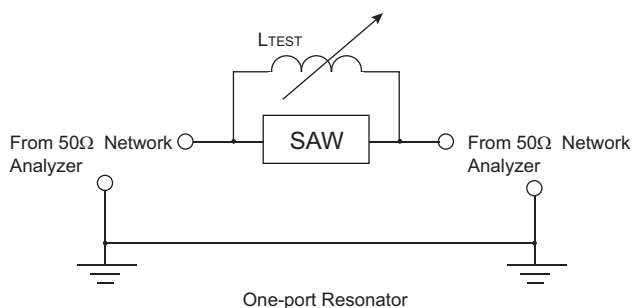
Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

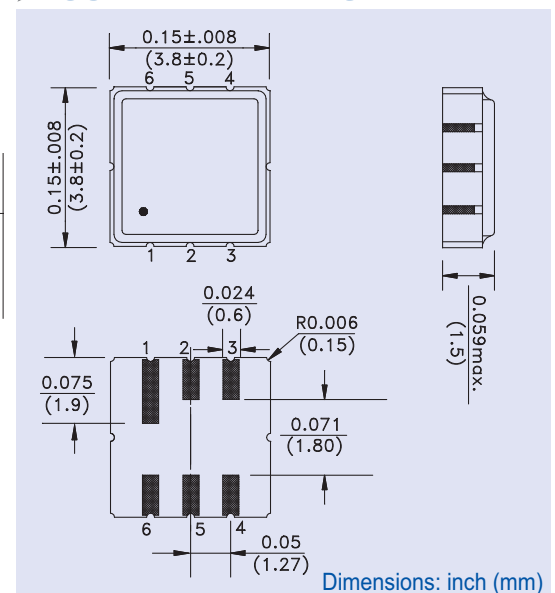
- 905.8R (905.8 Frequency in MHz)
- A ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004  
X: Traceability code)

PIN NO.	CONNECTIONS
2	Input
5	Output
Others	NC

## TEST CIRCUIT:



## OUTLINE DRAWING:



# SMD ONE PORT 905.8 MHz SAW RESONATOR

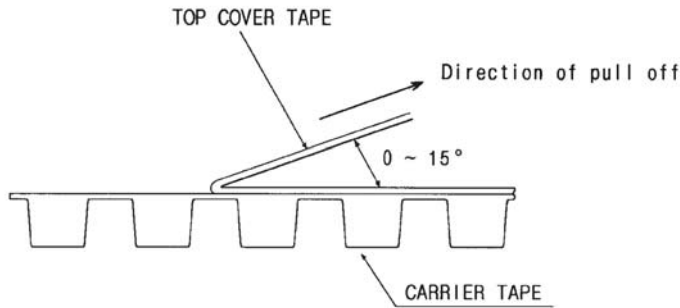
ASR905.8S3

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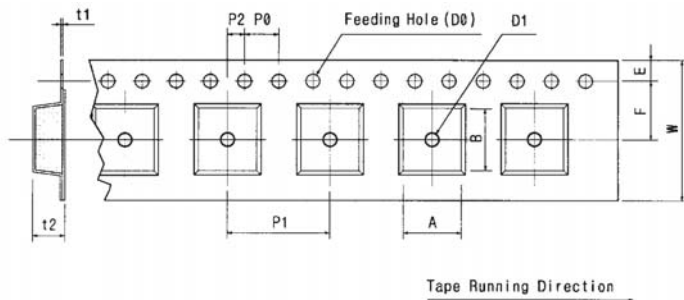
3.8 x 3.8 x 1.5mm

## 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.

