SMD ONE PORT 303.825 MHz SAW RESONATOR

ASR303.825E





> STANDARD SPECIFICATIONS:

CHARACTERISTICS		UNIT	MIN.	TYP.	MAX.	
Center Frequency Fo			MHz	303.75	303.825	303.9
Tolerance from Fo			KHz		±75	
Insertion Loss		dB	-	1.3	2.5	
Quality Factor	Unloaded		-		12,000	
	50Ω loaded				2,000	
Temperature Stability	Turnover Temperature		°C		39.0	
	Turnover Frequency		KHz		Fo	
	Freq. Temp. Coefficient		ppm/°C2		0.032	
Frequency Aging		ppm/year		<±10		
DC Insulation Resistance			$M\Omega$	1.0		
RF Equivalent RLC Model	Motional Resistance R ₁		Ω		12	19
	Motional Inductance L ₁		⊠H		94.0	
	Motional Capacitance C ₁		fF		2.9	
	Shunt Capacitance C ₀		pF	2.7	3.0	3.3
Operating temp.		°C	-40°C to +85°C			
Storage temp.		°C	-45°C to +85°C			
Max. Rating	DC voltage V		±10			
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:

- 303.82 - AR ZYX (303.825 Frequency in MHz) (ZY: Date code Z for month

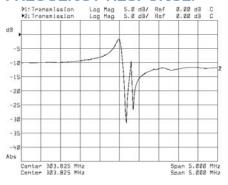
from A to L; Y for year,

I.e. 4 for 2004

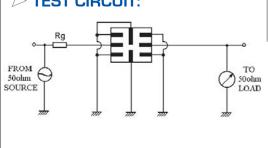
X: Traceability code)

PIN NO.	CONNECTIONS		
1	Input GND		
2	Input		
5	Output GND		
6	Output		
3,7	To be GNDed		
4,8	Case GND		

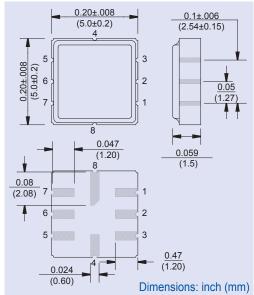
> FREQUENCY RESPONSE:



> TEST CIRCUIT:



> OUTLINE DRAWING:



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