# SMD ONE PORT 303.825 MHz SAW RESONATOR

ASR303.825E

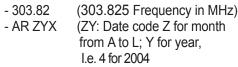


### > STANDARD SPECIFICATIONS:

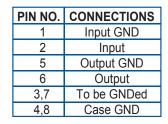
CHARACTERISTICS			UNIT	MIN.	TYP.	MAX.
Center Frequency Fo			MHz	303.75	303.825	303.9
Tolerance from Fo		KHz		±75		
Insertion Loss		dB	-	1.3	2.5	
Quality Factor	Unloaded		-		12,000	
	50 $\Omega$ loaded				2,000	
Temperature Stability	Turnover Temperature		°C		39.0	
	Turnover Frequency		KHz		Fo	
	Freq. 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		12	19
	Motional Inductance L <sub>1</sub>		μH		94.0	
	Motional Capacitance C1		fF		2.9	
	Shunt Capacitance C <sub>0</sub>		рF	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			

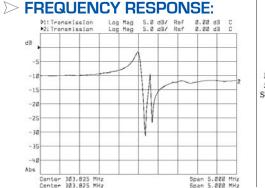
Data measured with: Source Impedance:  $Zs=50\Omega$ , Load Impedance:  $ZL=50\Omega$ , TA=25°C Electrostatic Sensitive Device. Handle with precaution.

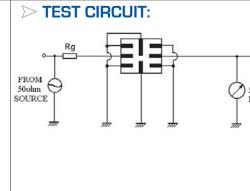
#### ▷ MARKING:



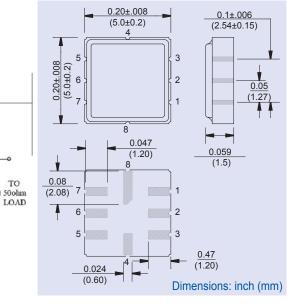
X: Traceability code)







#### > OUTLINE DRAWING:



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