SMD ONE PORT 868.35 MHz SAW RESONATOR

ASR868.35E





> STANDARD SPECIFICATIONS:

CHARACTERISTICS			UNIT	MIN.	TYP.	MAX.
Center Frequency Fo			MHz	868.20	868.350	868.50
Tolerance from Fo			KHz		±150	
Insertion Loss			dB	-	1.5	3.0
Quality Factor	Unloaded		-		42,000	
	50Ω loaded				2,000	
Temperature Stability	Turnover Temperature		°C		25.0	
	Turnover Frequency		KHz		Fo	
	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 R₁		Ω		12.0	22
	Motional Inductance L ₁		μΗ		66.0	
	Motional Capacitance C ₁		fF		2.3	
	Shunt Capacitance C ₀		pF	1.4	1.7	2.0
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:

- 868.35R - A ZYX

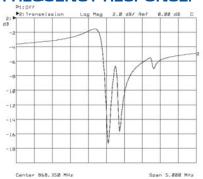
(868.35 Frequency in MHz) (ZY: Date code Z for month from A to L; Y for year,

I.e. 4 for 2004

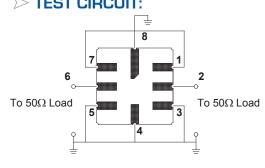
X: Traceability code)

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

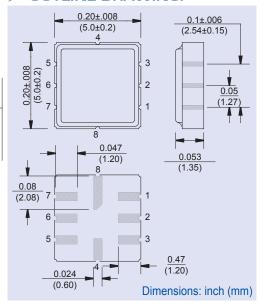
> FREQUENCY RESPONSE:



> TEST CIRCUIT:



> OUTLINE DRAWING:



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