SMD ONE PORT 315.00 MHz SAW RESONATOR

ASR315E





> STANDARD SPECIFICATIONS:

CHARACTERISTICS			UNIT	MIN.	TYP.	MAX.	
Center Frequency Fo			MHz	314.925	315.000	315.075	
Tolerance from Fo			KHz		±75		
Insertion Loss		dB	-	1.4	2.0		
Quality Factor	Unloaded		-		10,750		
	50Ω loaded				1,600		
Temperature Stability	Turnover Temperature		°C	25.0		55	
	Turnover Frequency		KHz		Fo		
	Freq. Temp. Coefficient		ppm/°C ²		0.03		
Frequency Aging			ppm/year		<±10		
DC Insulation Resistance			MΩ	1.0			
RF Equivalent RLC Model	Motional Resistance R ₁		Ω		17.5	26	
	Motional Inductance L₁		μΗ		95.0359		
	Motional Capacitance C ₁		fF		2.6889		
	Shunt Capacitance C ₀		pF	1.8	3.0	2.2	
Operating temp.		°C		-40°C to +85°C			
Storage temp.		°C		-45°C to +85°C			
Max. Rating	DC voltage	V	±30				
Soldering Temperature		°C	250				
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.

-50

-10D

-150

> MARKING:

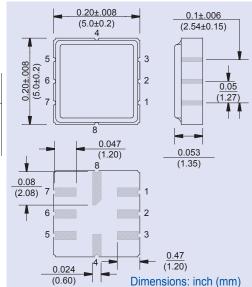
- 315.00 (315 Frequency in MHz) - AR ZYX (ZY: Date code Z for month

from A to L; Y for year, I.e. 4 for 2004

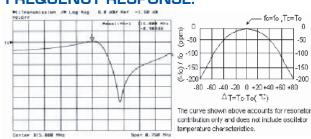
X: Traceability code)

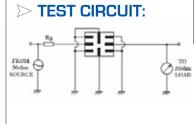
PIN NO.	CONNECTIONS		
1	Input GND		
2	Input		
5	Output GND		
6	Output		
3,7	To be GNDed		
4,8	Case GND		

> OUTLINE DRAWING:



\triangleright	FREQU	JENCY	RESPO	NSE:





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