

SMD ONE PORT 360.0 MHz SAW RESONATOR



5 x 5 x 1.5 mm

ASR360E



RoHS
Compliant

STANDARD SPECIFICATIONS:

CHARACTERISTICS		UNIT	MIN.	TYP.	MAX.
Center Frequency Fo		MHz	359.900	360.00	360.100
Tolerance from Fo		KHz		±10	
Insertion Loss		dB	-	1.2	2.0
Quality Factor	Unloaded	-		11,500	
	50Ω loaded			1,800	
Temperature Stability	Turnover Temperature	°C		25	
	Turnover Frequency	KHz		Fo+7.7kHz	
	Freq. Temp. Coefficient	ppm/°C ²		0.037	
Frequency Aging		ppm/year		±10	
DC Insulation Resistance		MΩ	1.0		
RF Equivalent RLC Model	Motional Resistance R ₁	Ω		22	100
	Motional Inductance L ₁	μH		83	
	Motional Capacitance C ₁	fF		1.97	
	Shunt Capacitance C ₀	pF	2.0	3.0	4.0
Operating temp.		°C	-45°C to +85°C		
Storage temp.		°C	-45°C to +85°C		
Max. Rating	DC voltage	V	±10V		
RF Power Dissipation		dBm	0		

(*) Option 75 for ± 0.075MHz

Data measured with: Source Impedance: Z_s=50Ω, Load Impedance: Z_L=50Ω, T_A=25°C

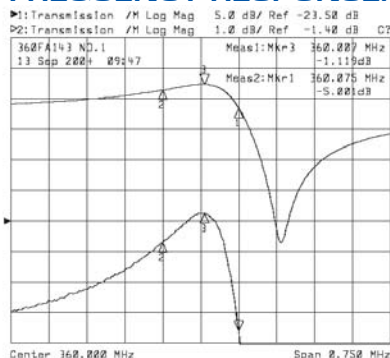
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

- R360 (360.0 Frequency in MHz)
- ASR ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004
X: Traceability code)

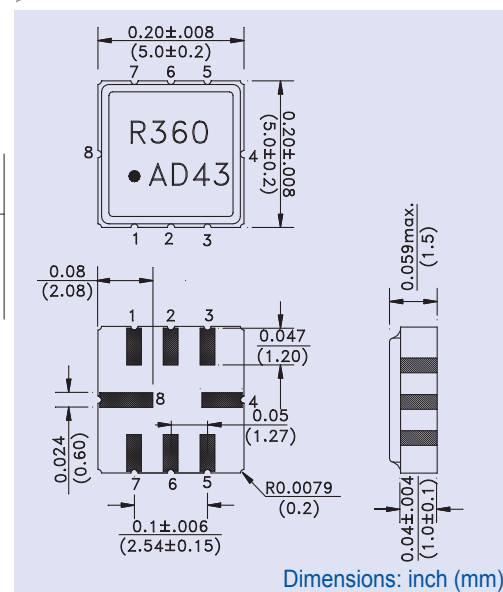
PIN NO.	CONNECTIONS
2	Input
6	Output
4,8	Case GND
Others	GND

FREQUENCY RESPONSE:



1: f ₁ (MHz)	dB	2: f ₂ (MHz)	dB
1: 360.0750	-4.997	1: 360.0750	-5.001
2: 359.9250	-2.059	2: 359.9250	-2.091
3: 360.0075	-1.119	3: 360.0075	-1.148

OUTLINE DRAWING:



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