

# SMD ONE PORT 390 MHz SAW RESONATOR

ASR390E



**RoHS**  
Compliant



5 x 5 x 1.5mm

## STANDARD SPECIFICATIONS:

CHARACTERISTICS		UNIT	MIN.	TYP.	MAX.
Center Frequency Fo		MHz	389.900	390.00	390.100
Tolerance from Fo		KHz		±75	
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+7.7	
	Freq. Temp. Coefficient	ppm/°C <sup>2</sup>		0.037	
Frequency Aging		ppm/year			<±10
DC Insulation Resistance		MΩ	1.0		
RF Equivalent RLC Model	Motional Resistance R <sub>1</sub>	Ω		22	100
	Motional Inductance L <sub>1</sub>	μH		83	
	Motional Capacitance C <sub>1</sub>	fF		1.97	
	Shunt Capacitance C <sub>0</sub>	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	±10		
RF Power Dissipation		dBm	0		

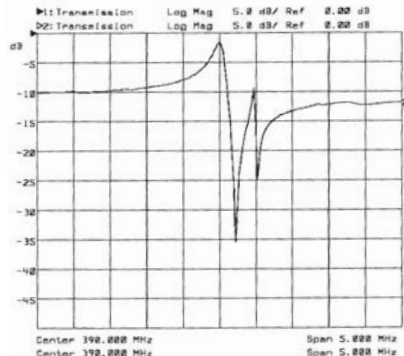
Data measured with: Source Impedance: Z<sub>s</sub>=50Ω, Load Impedance: Z<sub>L</sub>=50Ω, T<sub>A</sub>=25°C

Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

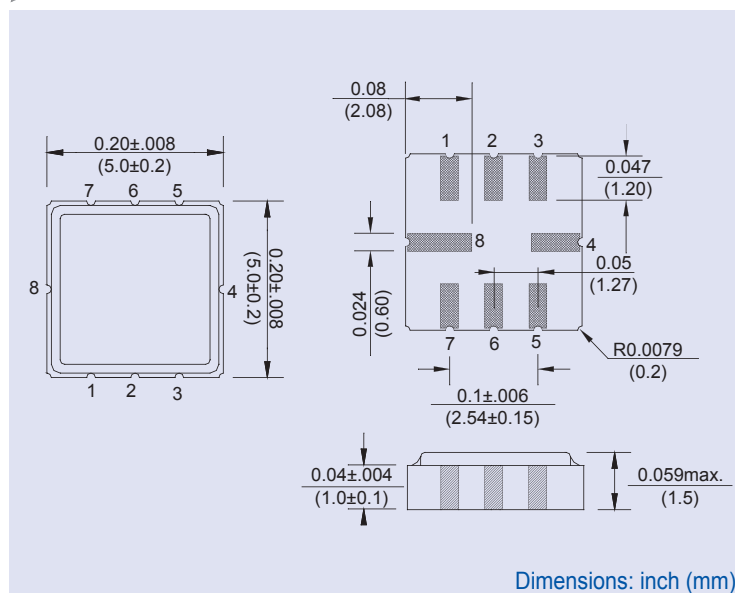
- 390R (390 Frequency in MHz)
- A ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004 X: Traceability code)

## FREQUENCY RESPONSE:



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

## OUTLINE DRAWING:



Dimensions: inch (mm)

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30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

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