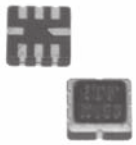
SMD ONE PORT 868.35 MHz SAW RESONATOR

ASR868.35E

Pb RoHS Compliant



5 x 5 x 1.35mm

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 R_1	Ω		12.0	22
	Motional Inductance L_1	μH		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

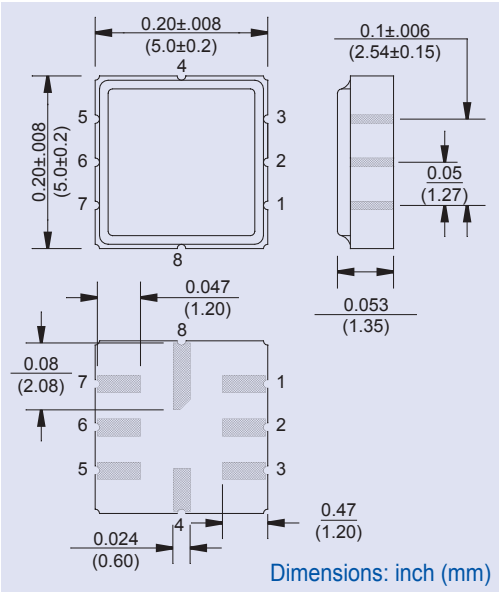
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

- 868.35R (868.35 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)

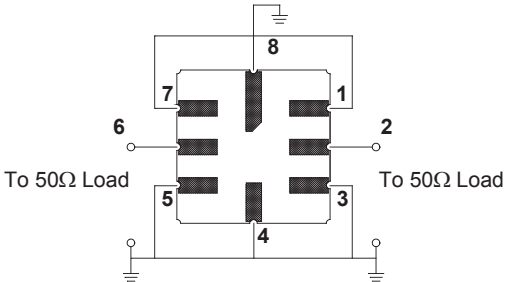
PIN NO.	CONNECTIONS
1	Input GND
2	Input
5	Output GND
6	Output
3,7	To be GNDed
4,8	Case GND

OUTLINE DRAWING:



FREQUENCY RESPONSE:

TEST CIRCUIT:



ABRACON IS ISO 9001:2008 CERTIFIED

ABRACON CORPORATION

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com