

SR869E 2-port Resonator

This product is lead-free in compliance with RoHs 2002/95/EC.

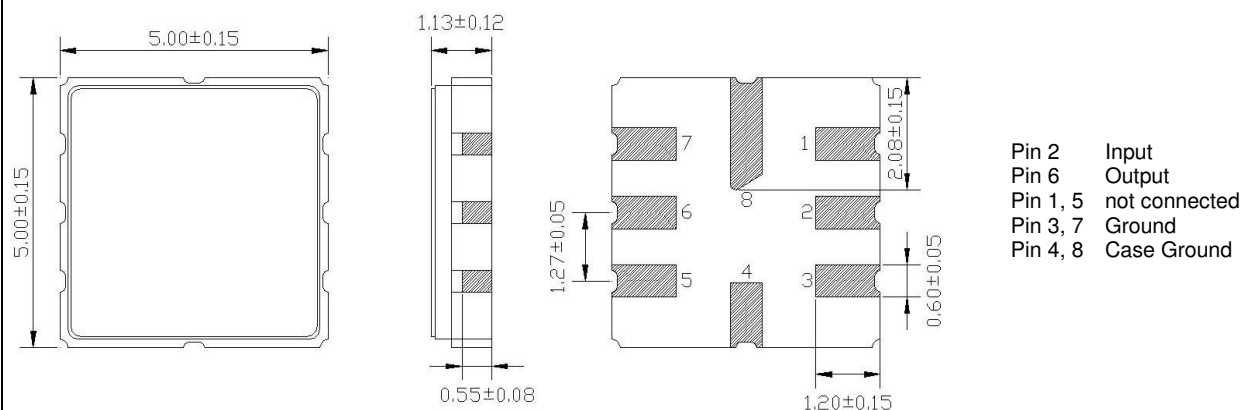
Test Conditions:

RF power	-10 dBm
Temperature	23 °C
DC Voltage	0 V
Terminating source impedance (Z_S):	50 Ω
Terminating load impedance (Z_L):	50 Ω

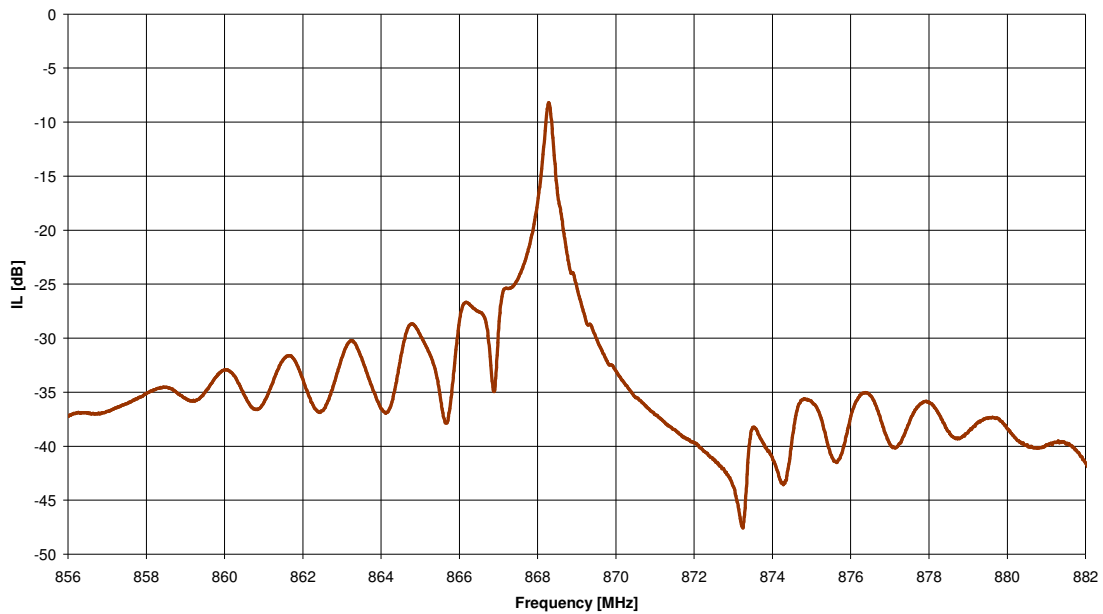
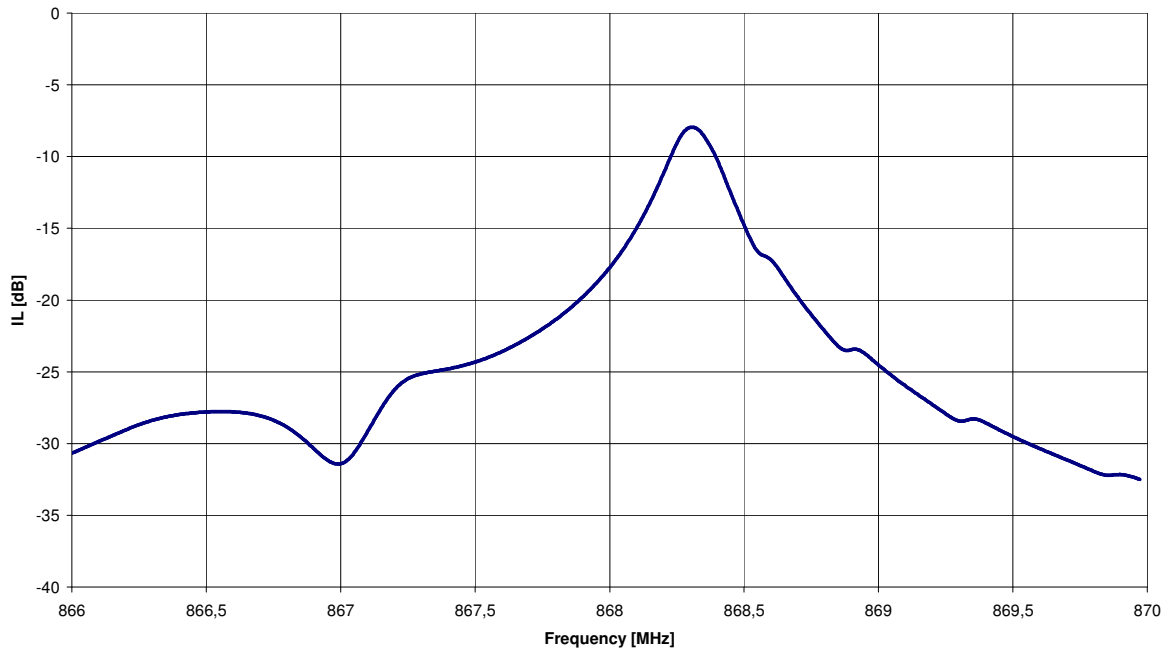
		minimum	typical	maximum	unit
Centre frequency	f_C	868.150	868.3	868.450	MHz
Insertion Loss	I_L		8.0	9.0	dB
Loaded quality factor	Q_L	3900	4200		
Unloaded quality factor	Q_U	7000	7500		
Ageing of centre frequency				50	ppm
Equivalent Circuit elements					
Motional capacitance	C_1		0,227		fF
Motional inductance	L_1		148.015		μ H
Motional resistance	R_1		110		Ω
Parallel capacitance	C_0		2.2		pF
Operating temperature range		-40		+125	°C
Storage temperature range		-40		+125	°C
Turnover temperature	T_0	15		30	°C
Temperature coefficient of frequency	TC_F		-0.032		ppm/K ²

Electrostatic Sensitive Device

Package: S52 / 5.0*5.0mm²



Typical performance:



Equivalent Circuit:

Co: 2,2 pF L1: 148,015 μ H
C1: 0,227 fF R1: 110 Ω

