

## SR434G 2-port Resonator

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

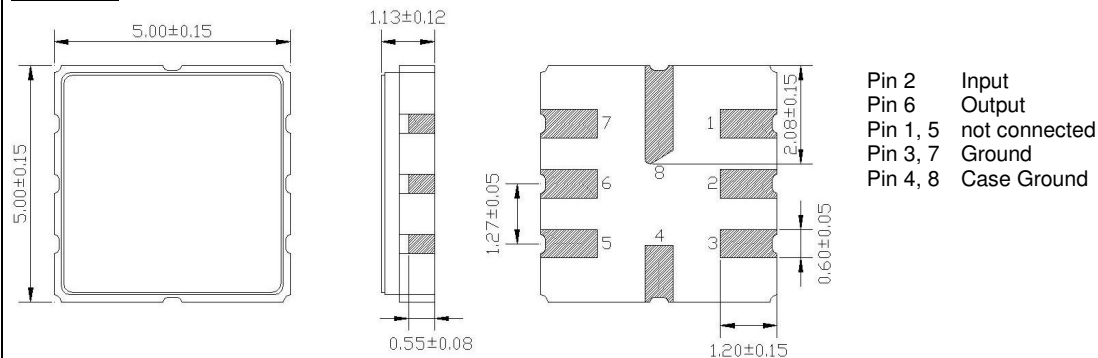
### Test Conditions:

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

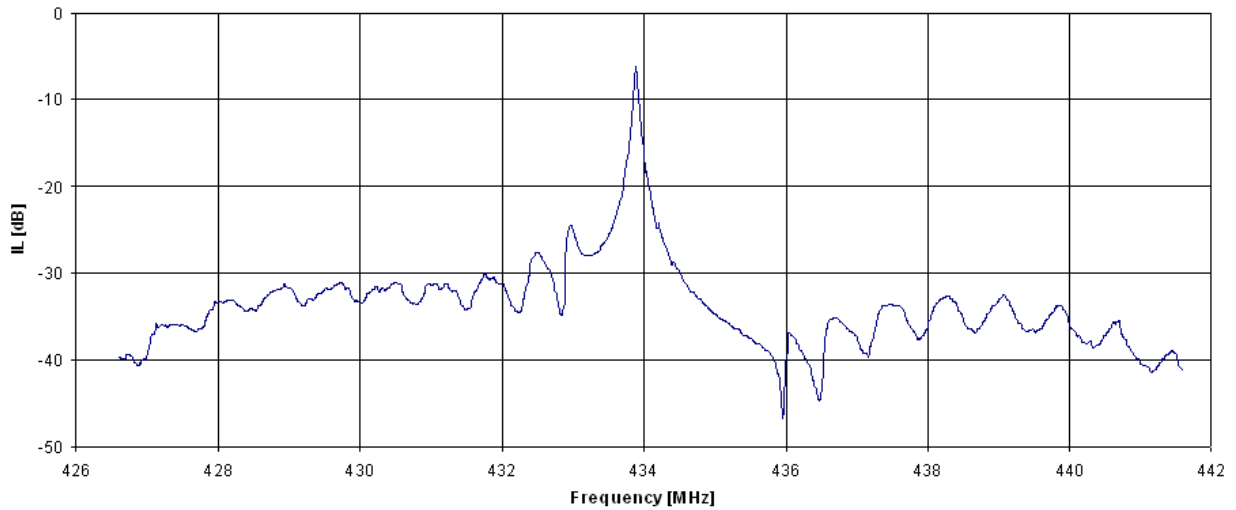
		minimum	typical	maximum	unit
Centre frequency	$f_C$	433.845	433.92	433.995	MHz
Insertion Loss	$I_L$		7.0	9.0	dB
Loaded quality factor	$Q_L$	6000	7.500		
Unloaded quality factor	$Q_U$	8800	11.000		
Ageing of center frequency				50	ppm
Equivalent Circuit elements					
Motional capacitance	$C_1$		0.449		fF
Motional inductance	$L_1$		299.65		$\mu$ H
Motional resistance	$R_1$		70		$\Omega$
Parallel capacitance	$C_0$		4.2		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 <sup>2</sup>

Electrostatic Sensitive Device

### Package: S52 / 5.0\*5.0mm<sup>2</sup>



**Technical performance:**



**Equivalent Circuit:**

