imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SAW Components

Preliminary Data R950





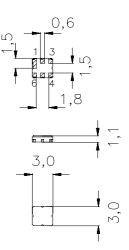
SAW Components		R950
Resonator	433,96	MHz
Preliminary Data	SMD	

Features

- 1-port resonator
- Provides reliable, fundamental mode, quartz frequency stabilization i.e. in transmitters or local oscillators
- Protection layer: ELPAS
- AEC-Q200 qualified components family

Terminals

Ni, gold plated

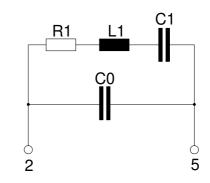


Ceramic package DCC6C

Dimensions in mm, approx. weight 0,037 g

Pin configuration

2	Input
5	Output, grounded in 1-port conf.
1, 3, 4, 6	Ground (case)



Туре	Ordering code	Marking and Package	Packing		
		according to	according to		
R950	B39431-R 950-U410	C61157-A7-A67	F61074-V8168-Z000		

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T _A	-40/+125	°C	
Storage temperature range	T _{stg}	-40/+125	°C	
DC voltage	V _{DC}	12	V	between any terminals
Source power	Ps	0	dBm	

Feb 25, 2005



SAW Components Resonator	_	R950 433,96 MHz
Preliminary Data	SMD	
Characteristics		
Reference temperature: Terminating source impedance: Terminating load impedance:	$T_{A} = 25 \degree C$ $Z_{S} = 50 \Omega$ $Z_{L} = 50 \Omega$	

		min.	typ.	max.	
Center frequency 1)	f _c	433,910	433,960	434,010	MHz
Minimum insertion attenuation	α_{min}	_	1,4	1,9	dB
Unloaded quality factor	Q _U	8300	12000	_	
Ageing of <i>f</i> _c				-50/+50	ppm
Equivalent circuit elements					
Motional capacitance	C_1		1,685	_	fF
Motional inductance	L_1		79,82	_	μH
Motional resistance	R_1		18	26	Ω
Parallel capacitance ²⁾	C_0	—	2,3	—	pF
Temperature coefficient of frequency ³⁾	TC _f	—	-0,032	—	ppm/K ²
Turnover temperature	T_0	20		50	°C

1) Center frequency is defined as maximum of the real part of the admittance

²⁾ If used in two port configuration (pin 2-input, pin 5-output) C_0 is reduced by approx. 0,3 pF. ³⁾Temperature dependence of f_c : $f_c(T_A) = f_c(T_0)(1 + TC_f(T_A - T_0)^2)$

3



SAW Components		R950
Resonator		433,96 MHz
Preliminary Data	SMD	

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