捷多邦,专业PCB打样工厂,24小时加急出货

SAW Components

EPCOS

Data Sheet R 2701

Data Sheet



SAW Components	R 2701
Resonator	433,92 MHz

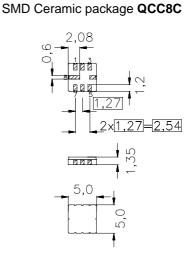
Data Sheet

Features

- 2-port resonator
- nominal 180°-phase at resonance
- Provides reliable, fundamental mode, quartz frequency stabilization i.e. in transmitters or local oscillators
- AEC-Q200 qualified component family

Terminals

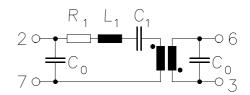
Ni, gold plated



Dimensions in mm, approx. weight 0,1 g

Pin configuration

2	Input / Ouptput
6	Output / Input
7	Ground (Input / Output)
3	Ground (Output / Input)
4,8	Ground (case)



Туре	Ordering code	Marking and Package	Packing		
		according to	according to		
R2701	B39431-R2701-U310	C61157-A7-A56	F61074-V8070-Z000		

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T _A	-45/+125	°C	
Storage temperature range	T _{stg}	-45/+125	°C	
DC voltage	V _{DC}	12	V	between any terminals
Source power	Ps	0	dBm	



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Data Sheet					
Characteristics					
Reference temperature: Terminating Source impedance: Terminating Load impedance:	$T_{A} = 25^{\circ}$ $Z_{S} = 50 \Omega$ $Z_{L} = 50 \Omega$	2			
		min.	typ.	max.	
Center frequency	f _c	433,845	433,920	433,995	MHz
(center frequency between 3 dB points)					
Minimum insertion attenuation	α_{min}	_	9,2	10,5	dB
Phase at f _c	φ	_	160	_	°el.
Loaded quality factor	Q_L	5000	7800	_	
Unloaded quality factor	Q_U	8000	11200	-	
Ageing of f _c			-	±50	ppm
Equivalent circuit elements					
Motional capacitance	C ₁	_	0,141	-	fF
Motional inductance	L ₁	_	954	-	μH
Motional resistance	R ₁	-	230	-	Ω
Input / Output capacitance	C ₀	<u> </u>	2,3		pF
Temperature coefficient of frequency ¹⁾	$TC_{\rm f}$		-0,03		ppm/K ²
Turnover temperature	T ₀		40		°C

¹⁾ Temperature dependence of f_c : $f_c(T_A) = f_c(T_0)(1 + TC_f(T_A - T_0)^2)$



SAW Components

Resonator

Data Sheet

R 2701 433,92 MHz

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This brochure replaces the previous edition.

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