

SAW Components

Data Sheet R2711





SAW Components	R2711
Resonator	868,35 MHz

Data Sheet

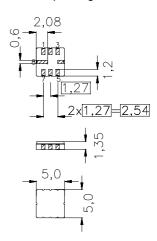
Features

- 2-port resonator
- nominal 180°-phase at resonance
- Provides reliable, fundamental mode, quartz frequency stabilization i.e. in transmitters or local oscillators
- Passivation layer: Protec

Terminals

■ Ni, gold plated

SMD Ceramic package QCC8C



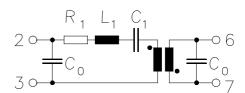
Dimensions in mm, approx. weight 0,1 g

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		
R2711	B39871-R2711-U310	C61157-A7-A56	F61074-V8169-Z000		

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T_{A}	-45/+85	°C	
Storage temperature range	T_{stg}	-45/+85	°C	
DC voltage	$V_{\rm DC}$	0	V	between any terminals
Source power	P_{s}	0	dBm	



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Characteristics

Reference temperature: $T_{\rm A}=25\,^{\circ}{\rm C}$ Terminating Source impedance: $Z_{\rm S}=50\,\Omega$ Terminating Load impedance: $Z_{\rm L}=50\,\Omega$

		min.	typ.	max.	
Center frequency f_c	;	868,25	868,35	868,45	MHz
(center frequency between 3 dB points)					
Minimum insertion attenuation α_{r}	min	_	7,0	9,0	dB
Phase at f_c ϕ		_	130	_	° el.
Loaded quality factor Q) _L	3000	3600	_	
Unloaded quality factor Q	U	5500	6600	_	
Ageing of f _c		_	_	-10/+40	ppm
Equivalent circuit elements					
Motional capacitance C	1	_	0,279	_	fF
Motional inductance L ₁	1	_	120,4	_	μΗ
Motional resistance R	1	_	100	_	Ω
Input / Output capacitance C	0	_	1,9	_	pF
Temperature coefficient of frequency 1)	C_{f}	_	-0,03	_	ppm/K ²
Turnover temperature T ₀	0	15	_	35	°C

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



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