

SAW Components

Data Sheet R2712





SAW Components	R2712
Resonator	804.50 MHz

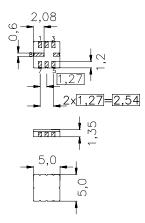
Data Sheet

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

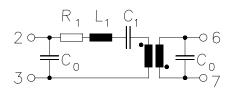


SMD Ceramic package QCC8C

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
R2712	B39801-R2712-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 _{DC}	0	V	between any terminals
Source power	Ps	0	dBm	

Oct 02, 2003



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Characteristics					
Reference temperature: Terminating Source impedance: Terminating Load impedance:	$T_{A} = 25 ° \Omega$ $Z_{S} = 50 \Omega$ $Z_{L} = 50 \Omega$				
		min.	typ.	max.	
Center frequency	f _c	804,25	804.5	804,75	MHz
(center frequency between 3 dB points)					
Minimum insertion attenuation	α_{min}	_	6,3	8,3	dB
Phase at f _c	φ	—	140	_	° el.
Loaded quality factor	Q_L	3000	3700	—	
Unloaded quality factor	Q _U	6300	7500	_	
Ageing of f _c		_	—	-10/+40	ppm
Equivalent circuit elements					
Motional capacitance	C ₁	—	0,293	—	fF
Motional inductance	L ₁	—	133,8	—	μH
Motional resistance	R ₁	—	91	—	Ω
Input / Output capacitance	C ₀		1,6		pF
Temperature coefficient of frequency ¹⁾	TC _f		-0,03	_	ppm/K ²
Turnover temperature	T 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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Published by EPCOS AG Surface Acoustic Wave Components Division, SAW CE AE PD P.O. Box 80 17 09, D-81617 München

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This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

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Oct 02, 2003