SAW filters for mobile communications

Series/Type: B4064

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39811B4064U810		2008-03-14	2008-08-31	2008-10-15

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

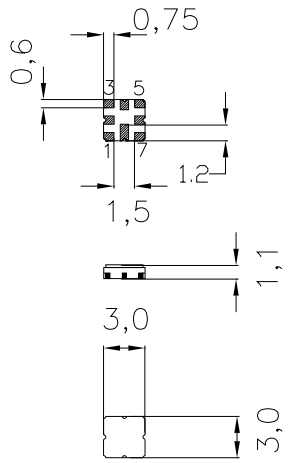
SMD ceramic package **QCC8D**

Features

- Low loss IF filter for HiperLAN
- Balanced to balanced operation
- Package for **S**urface **M**ounted **T**echnology **(SMT)**

Terminals

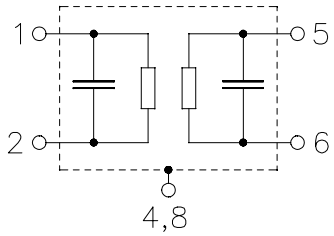
- Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

Pin configuration

1	Input
2	Input
5	Output
6	Output
3, 7	To be grounded
4, 8	Case - ground



Type	Ordering code	Marking and Package according to	Packing according to
B4064	B39811-B4064-U810	C61157-A7-A72	F61074-V8101-Z000

Electrostatic **S**ensitive **D**evice (**ESD**)

Maximum ratings

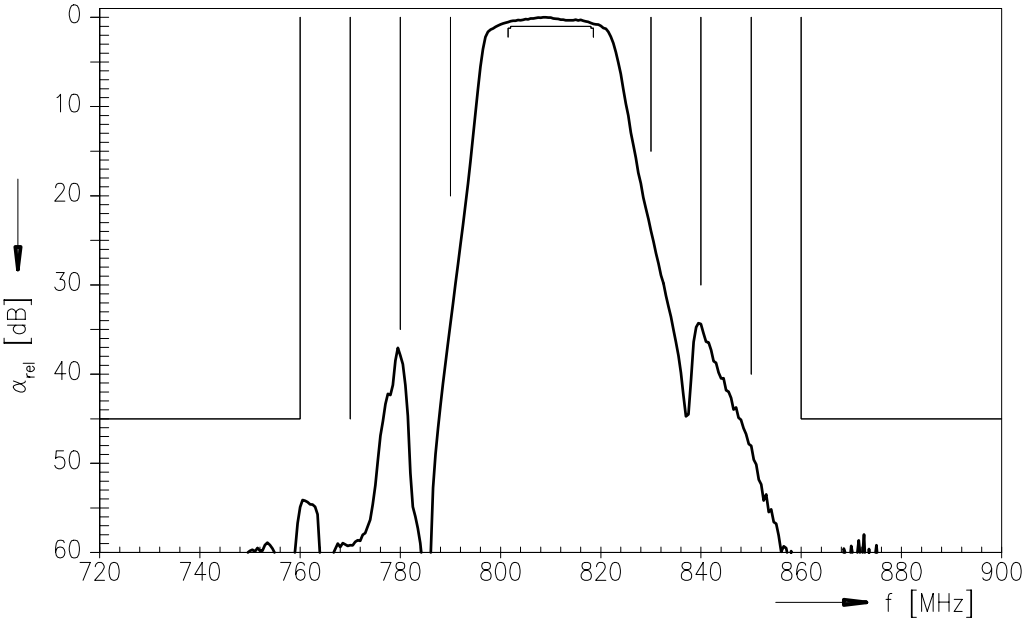
Operable temperature range	T	– 40/+ 85	˚C	
Storage temperature range	T_{stg}	– 40/+ 85	˚C	
DC voltage	V_{DC}	3	V	
Source power	P_s	0	dBm	source impedance 200 Ω

Characteristics

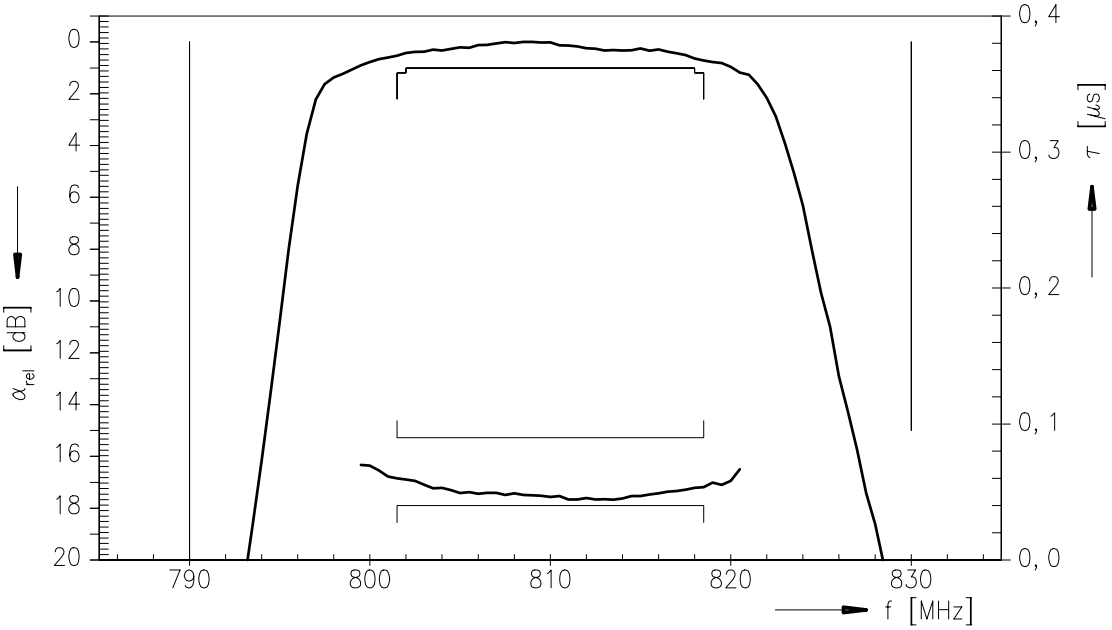
Operating temperature range: T_A = 0 ... +70 °C
Terminating source impedance: Z_S = 200 Ω
Terminating load impedance: Z_L = 200 Ω

		min.	typ.	max.	
Nominal frequency	f_N	—	810,0	—	MHz
Minimum insertion attenuation	α_{min}	—	1,7	4,0	dB
Band width	B_{1dB}	—	20	—	MHz
	B_{3dB}	—	25	—	MHz
Amplitude ripple in passband (p-p)	$\Delta\alpha$				
$f_N \pm 8{,}0$ MHz		—	0,6	1,0	dB
$f_N \pm 8{,}5$ MHz		—	0,7	1,2	dB
Group delay ripple (p-p)	$\Delta\tau$				
$f_N \pm 8{,}5$ MHz		—	25	50	ns
Relative attenuation (relative to α_{min})	α_{rel}				
$f_N - 20{,}0$ MHz		20	34	—	dB
$f_N + 20{,}0$ MHz		15	22	—	dB
$f_N - 30{,}0$ MHz		35	37	—	dB
$f_N + 30{,}0$ MHz		30	34	—	dB
$f_N - 40{,}0$ MHz		45	55	—	dB
$f_N + 40{,}0$ MHz		40	48	—	dB
$f_N - 500$ MHz ... $f_N - 50{,}0$ MHz		45	54	—	dB
$f_N + 50{,}0$ MHz ... $f_N + 500$ MHz		45	58	—	dB

Normalized frequency response



Normalized frequency response (pass band)



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