SAW filters for infrastructure systems

Series/Type: B4049

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39122B4049U410	B39122B5102U810	2009-09-25	2009-12-31	2010-03-31

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.

Preliminary Data

SMD

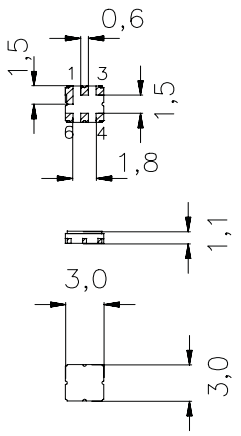
Ceramic package **DCC6C**

Features

- Low-loss RF filter for WLAN IF
- Low amplitude ripple
- Usable passband 20 MHz
- Ceramic package for **S**urface **M**ounted **T**echnology (**SMT**)

Terminals

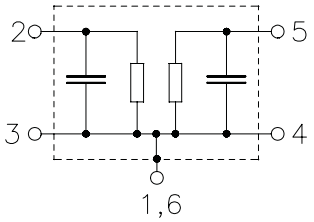
- Ni , gold-plated



Dimensions in mm, approx. weight 0,037 g

Pin configuration

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



Type	Ordering code	Marking and Package according to	Packing according to
B4049		C61157-A7-A67	F61074-V8088-Z000

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

Maximum ratings

Operable temperature range	T	0 / + 55	°C	
Storage temperature range	T_{stg}	– 40 / + 85	°C	
DC voltage	V_{DC}	0	V	
Input power max.	P_{IN}	0	dBm	

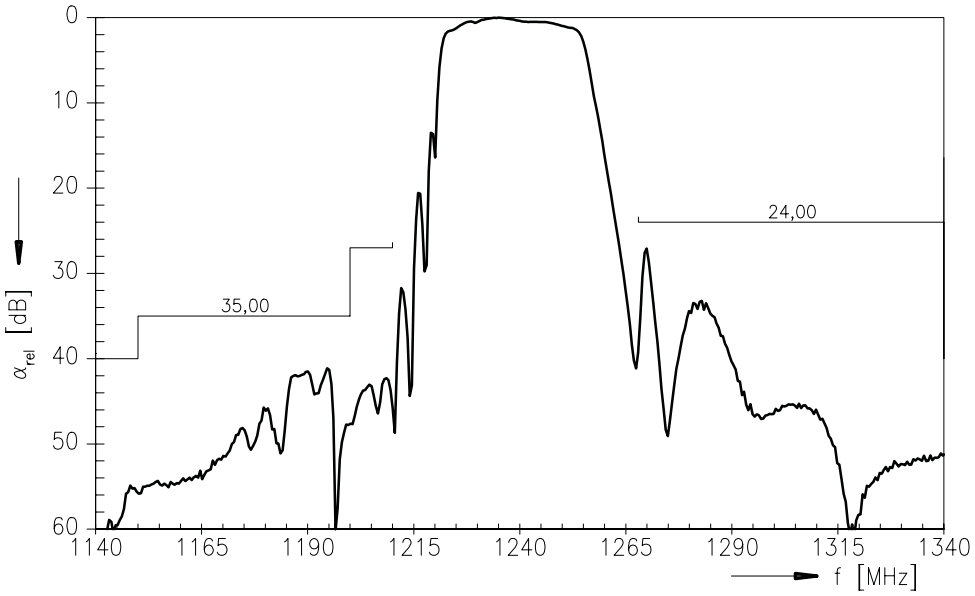
Preliminary Data

Characteristics

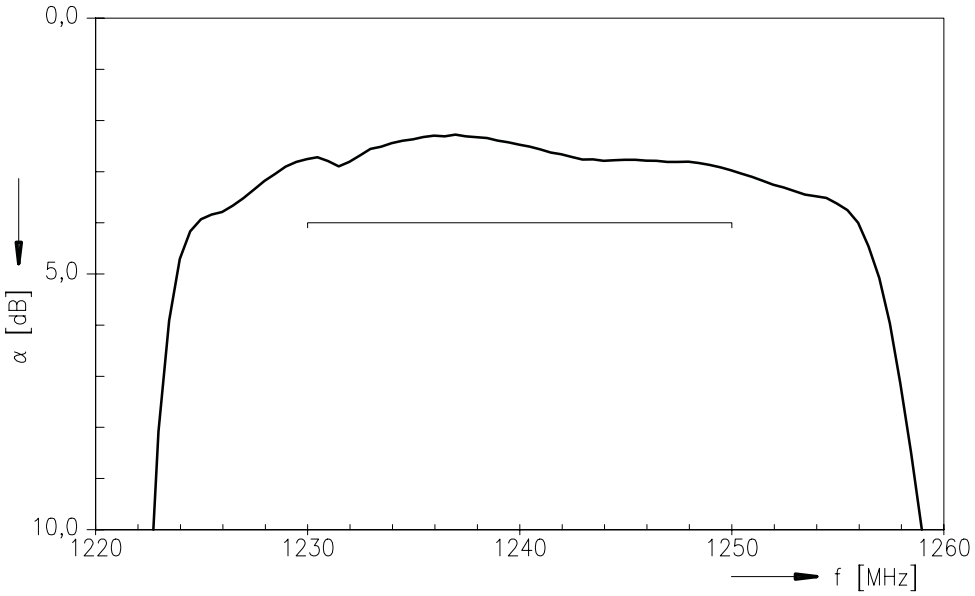
Operating temperature range: T = 0 to +55 ˚C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		min.	typ.	max.	
Center frequency	f_C	—	1240,0	—	MHz
Maximum insertion attenuation	α_{max}				
1230,0 ...1250,0 MHz		—	2,9	4,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
1230,0 ...1250,0 MHz		—	0,6	1,5	dB
Attenuation (relative to α_{max})	α_{rel}				
0,0 ...1150,0 MHz		40	53	—	dB
1150,0 ...1200,0 MHz		35	39	—	dB
1200,0 ...1212,0 MHz		27	30	—	dB
1268,0 ...1500,0 MHz		24	27	—	dB
1500,0 ... 2500,0 MHz		40	46	—	dB
2500,0 ... 4000,0 MHz		17	21	—	dB

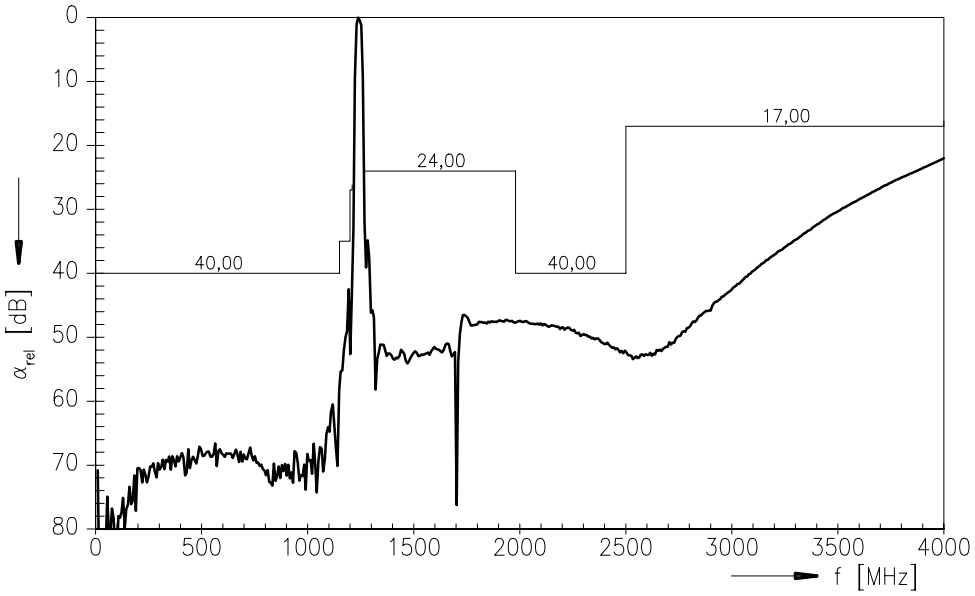
Transfer function (normalized)



Transfer function (passband)



Transfer function (wideband, normalized)



Published by EPCOS AG
Surface Acoustic Wave Components Division, OFW E MF
P.O. Box 80 17 09, D-81617 München

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