EPCOS

SAW Components

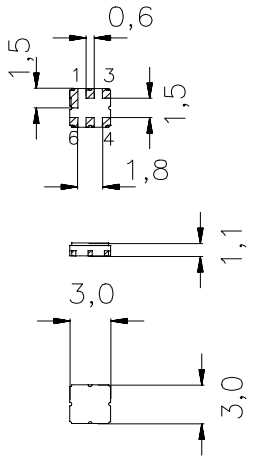
Preliminary Data B4049

Preliminary Data

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**)



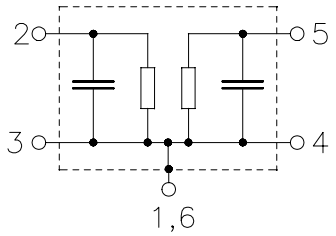
Terminals

- 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

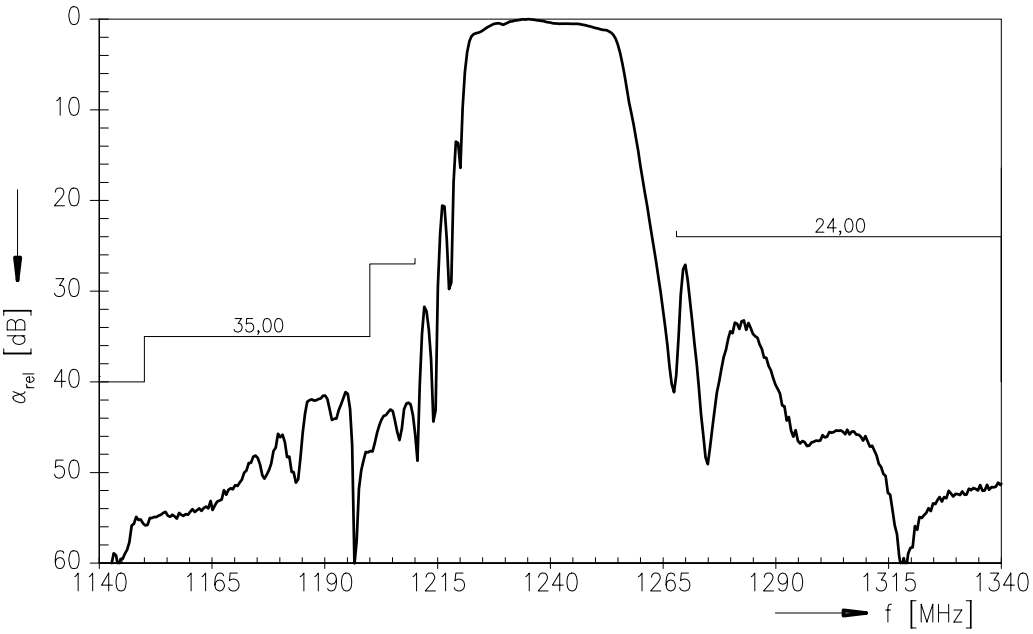
Operable temperature range	T	0 / + 55	˚C	
Storage temperature range	T_{stg}	– 40 / + 85	˚C	
DC voltage	V_{DC}	0	V	
Input power max.	P_{IN}	0	dBm	

Characteristics

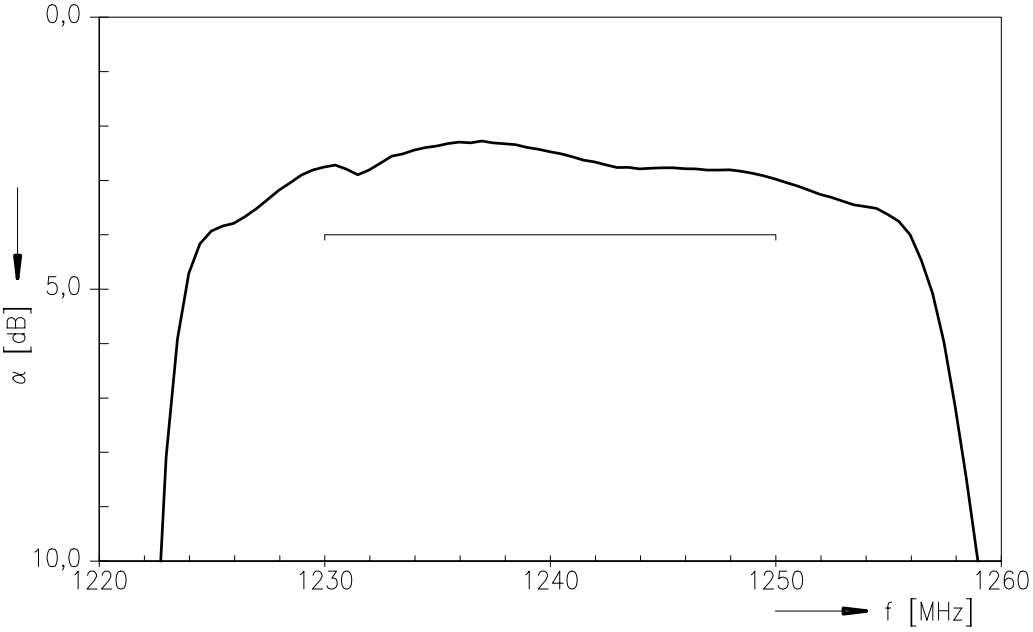
Operating temperature range: T = 0 to +55 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		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

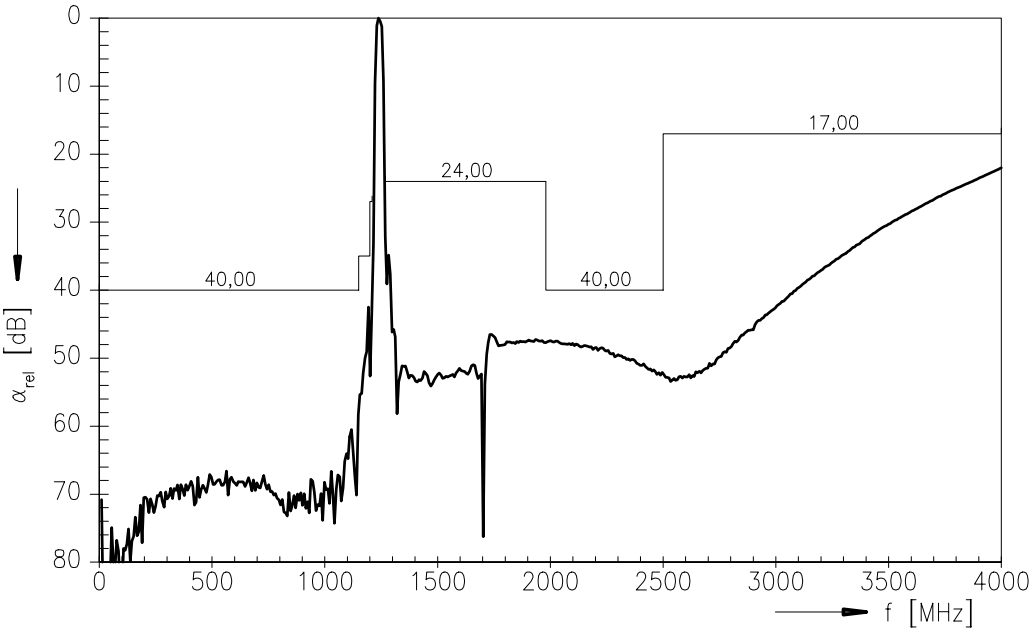
Transfer function (normalized)



Transfer function (passband)



Transfer function (wideband, normalized)



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