EPCOS

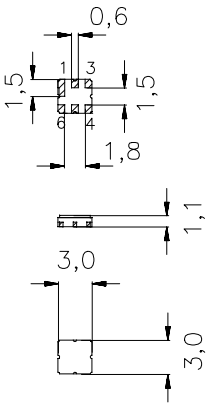
SAW Components

Data Sheet B4061

Ceramic package **DCC6D**

Features

- Low-loss IF filter for HiperLAN
- Low amplitude ripple
- Usable passband 16MHz
- No matching network required
- Ceramic Package for **S**urface **M**ounted **T**echnology (**SMT**)



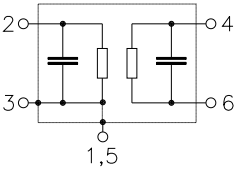
Dimensions in mm, approx. weight 0,037 g

Terminals

- Ni, gold-plated

Pin configuration

2	Input
3	Input - ground
4, 6	Balanced Output
1, 5	Case ground



Type	Ordering code	Marking and Package according to	Packing according to
B4061	B39152-B4061-U510	C61157-A7-A68	F61074-V8089-Z000

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

Maximum ratings

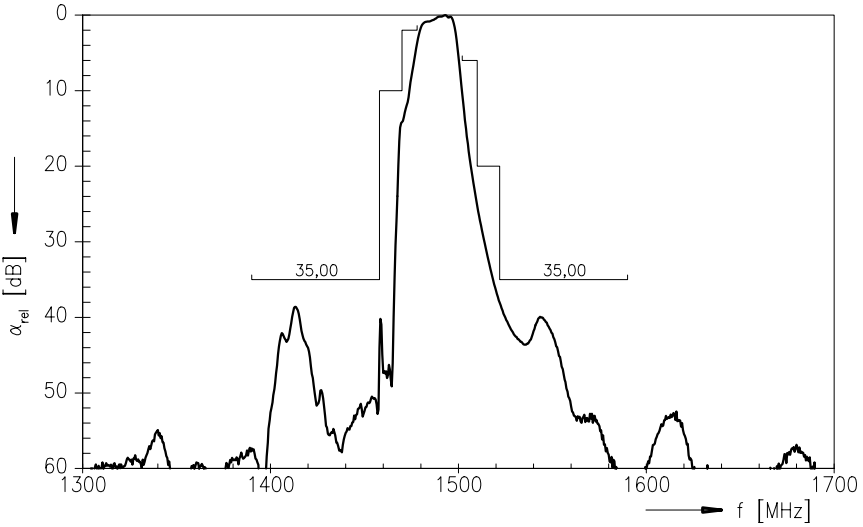
Operable temperature range	T	–20 / + 85	˚C	
Storage temperature range	T_{stg}	–40 / + 85	˚C	
DC voltage	V_{DC}	0	V	
Source power	P_S	0	dBm	

Characteristics

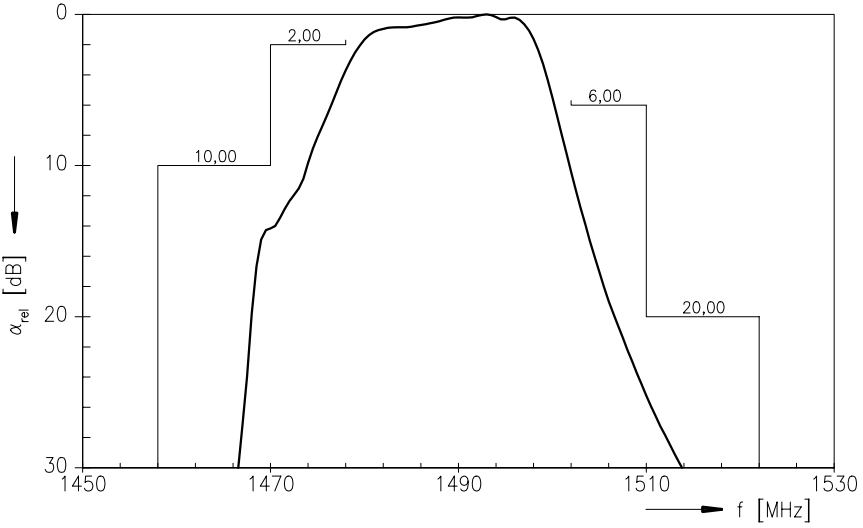
Operating Temperature: T = 25°C
Terminating source impedance: Z_S = 50Ω
Terminating load impedance: Z_L = 50Ω (balanced)

		min.	typ.	max.	
Nominal frequency	f_N	—	1490,0	—	MHz
Center frequency	f_C	1487,0	1490,0	1493,0	MHz
Minimum insertion attenuation	α_{min}	3,5	3,9	4,2	dB
Passband width (1dB)	B_{1dB}	15,0	15,9	—	MHz
Group delay *at* f_c	τ	—	48	—	ns
Group delay ripple (p-p) $f_c \pm 8{,}0$ MHz	$\Delta\tau$	—	16	30	ns
Input VSWR ($f_c \pm 8$ MHz)		—	1,4	1,8	
Output VSWR ($f_c \pm 8$ MHz)		—	1,4	1,8	
Relative attenuation (relative to α_{min})	α_{rel}				
f_c-100,0 MHz ... f_c-32,0 MHz		35	38	—	dB
f_c-32,0 MHz ... f_c-20,0 MHz		10	15	—	dB
f_c-20,0 MHz ... f_c-12,0 MHz		2	5	—	dB
f_c+12,0 MHz ... f_c+20,0 MHz		6	10	—	dB
f_c+20,0 MHz ... f_c+32,0 MHz		20	25	—	dB
f_c+32,0 MHz ... f_c+100,0 MHz		35	38	—	dB
Temperature coefficient of frequency	*TCf*		-35		ppm/K

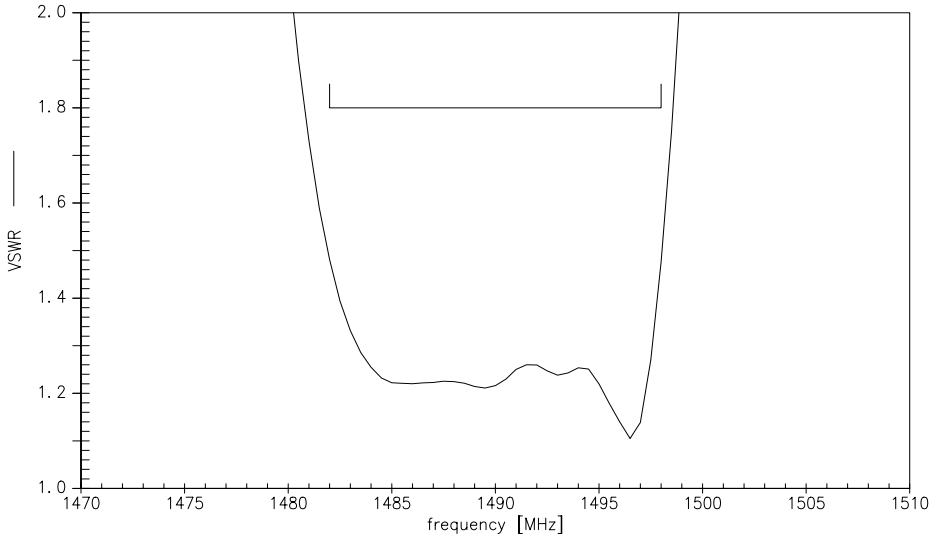
Normalized frequency response



Normalized frequency response (pass band)



VSWR:



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This brochure replaces the previous edition.

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