



SAW Components

Data Sheet B4066

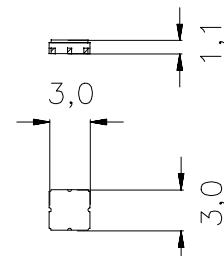
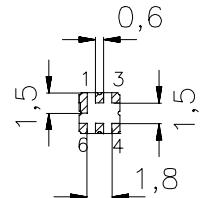
Data Sheet

A large, stylized, italicized white text "EPCOS" is overlaid on a dark, textured background. The background features a faint, glowing globe and a series of concentric, light-colored bands resembling ripples or waves.

SAW Components
B4066
Low Loss Filter
1542,0 MHz
Data Sheet

Ceramic Package DCC6D
Features

- Low loss RF filter
- Usable passband 34 MHz
- Low insertion attenuation, low amplitude ripple
- Unbalanced to balanced operation
- Package for **Surface Mounted Technology (SMT)**
- RoHS compliant

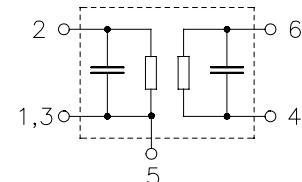

Terminals

- Ni, gold-plated

Dimensions in mm, approx. weight 37 mg

Pin configuration

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



Type	Ordering code	Marking and Package according to	Packing according to
B4066	B39152-B4066-U510	C61157-A7-A68	F61074-V8168-Z000

Electrostatic Sensitive Device (ESD)
Maximum ratings

Operable temperature range	T	-40 / +85	°C	
Storage temperature range	T_{stg}	-40 / +85	°C	
DC voltage	V_{DC}	0	V	
ESD voltage	V_{ESD}^*	50*	V	Machine Model, 10 pulses
Input Power at GSM850, GSM900 GSM1800, GSM1900	P_{IN}	15	dBm	effective power in the on-state, duty cycle 4:8
Tx bands				

*-acc. to JESD22-A115A (Machine Model), 10 negative & 10 positive pulses

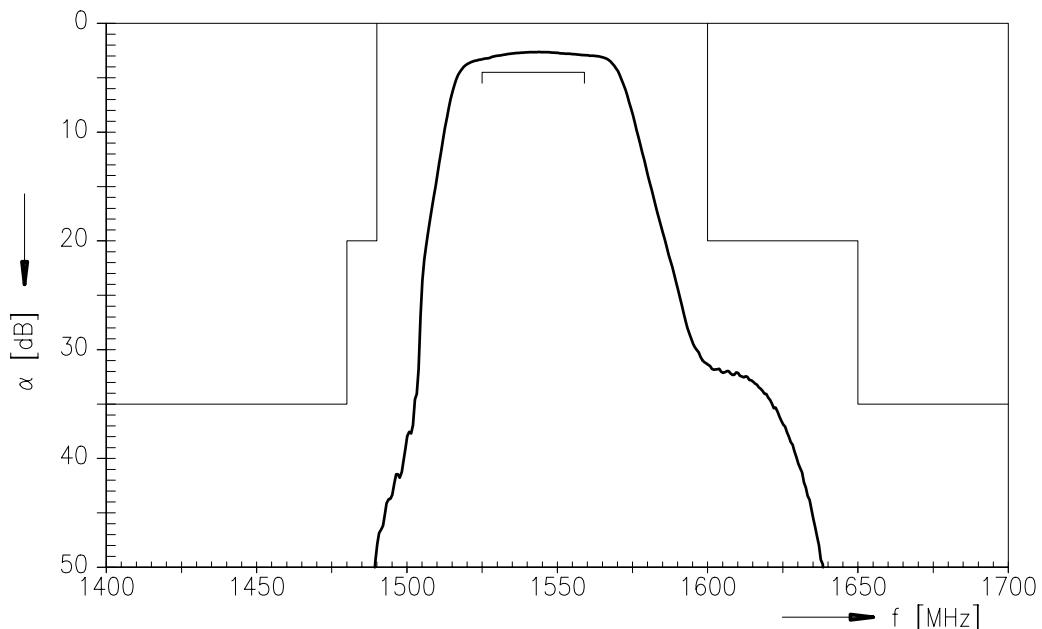
Characteristics

Operating temperature range: $T = -40$ to $+85$ °C
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$ (balanced)

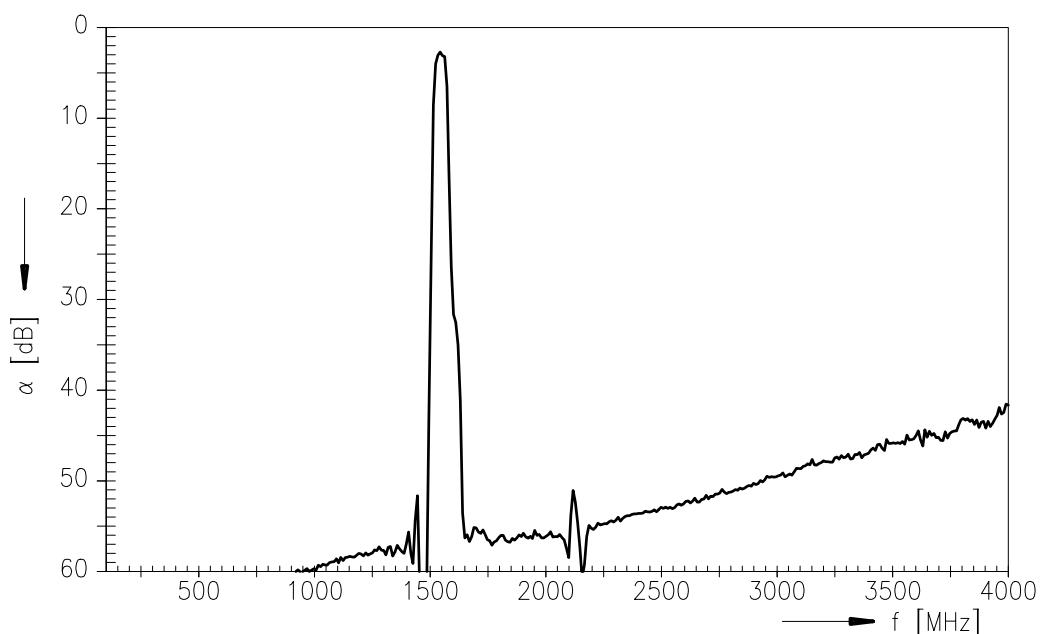
			min.	typ.	max.	
Center frequency		f_c	—	1542,0	—	MHz
Maximum insertion attenuation		α_{\max}	—	3,3	4,5	dB
	1525,0 ... 1559,0	MHz	—			
Amplitude ripple (p-p)		$\Delta\alpha$	—	0,7	1,5	dB
	1525,0 ... 1559,0	MHz	—			
Absolute attenuation		α_{abs}	40,0	58,0	—	dB
	0,0 ... 1000,0	MHz	35,0	50,0	—	dB
	1000,0 ... 1480,0	MHz	20,0	48,0	—	dB
	1480,0 ... 1490,0	MHz	2,0	8,0	—	dB
	1575,0	MHz	20,0	30,0	—	dB
	1600,0 ... 1650,0	MHz	35,0	54,0	—	dB
	1650,0 ... 1785,0	MHz	30,0	50,0	—	dB
	1785,0 ... 2200,0	MHz	27,0	52,0	—	dB
	2200,0 ... 2500,0	MHz	18,0	40,0	—	dB
	2500,0 ... 4000,0	MHz				

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Low Loss Filter **1542,0 MHz**
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Transfer function



Transfer function (wide band)





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Low Loss Filter	1542,0 MHz
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