



SAW Components

Data Sheet B4066

Data Sheet

An abstract, grayscale graphic featuring a stylized, glowing globe with a grid pattern. The word "EPCOS" is written in large, white, sans-serif capital letters across the globe, appearing to be part of the design.



SAW Components

B4066

Low Loss Filter

1542,0 MHz

Data Sheet



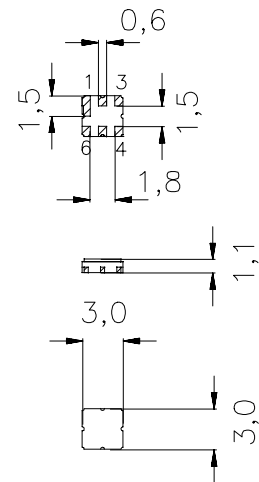
Ceramic Package DCC6D

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

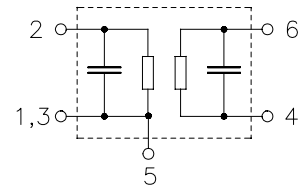
- Ni, gold-plated



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

*-acc. to JEDEC22-A115A (Machine Model), 10 negative & 10 positive pulses



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Characteristics

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

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



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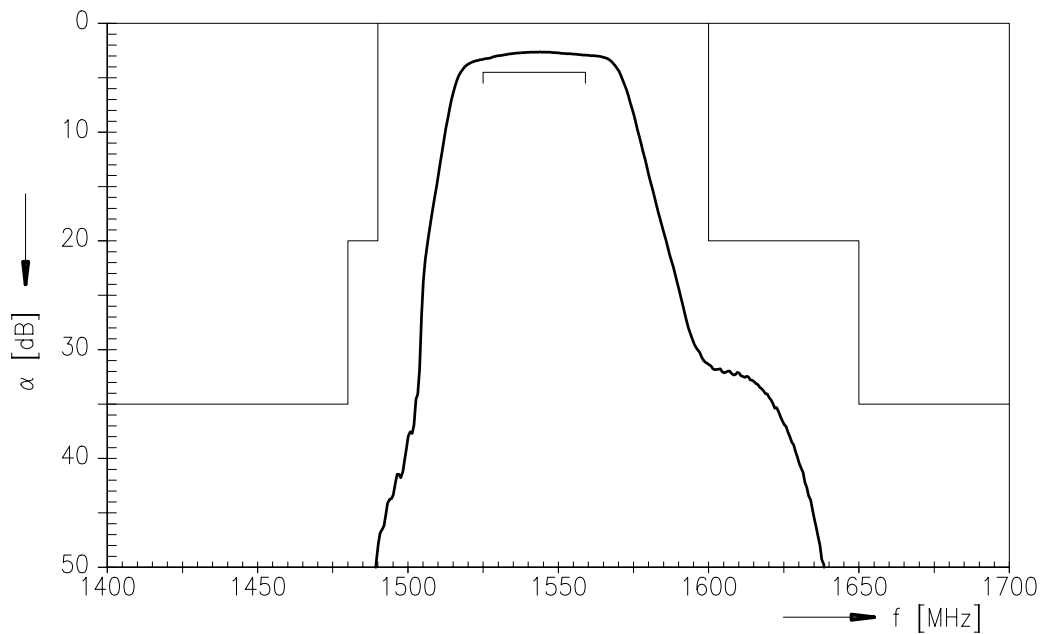
Low Loss Filter

1542,0 MHz

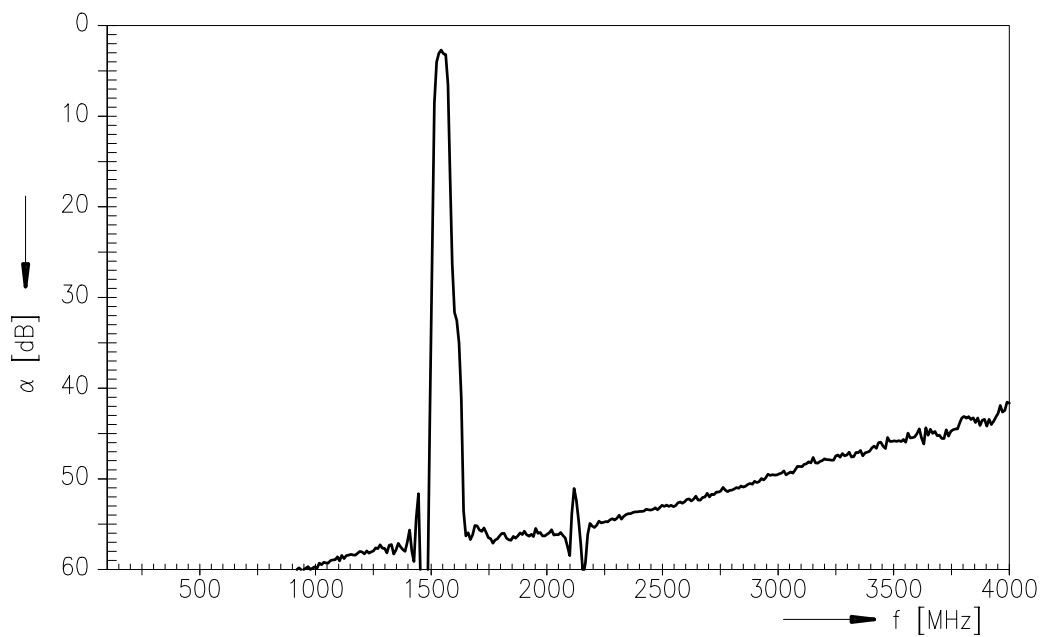
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Transfer function



Transfer function (wide band)





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Low Loss Filter	1542,0 MHz
Data Sheet	SMD

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