



# SAW Components

Data Sheet B4066





**SAW Components**

**B4066**

**Low Loss Filter**

**1542,0 MHz**

**Data Sheet**



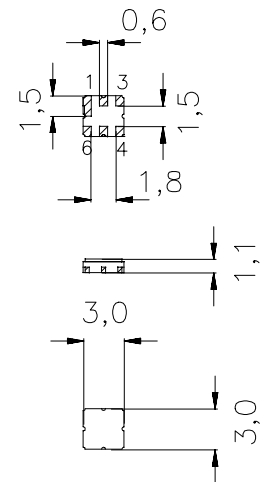
**Ceramic Package DCC6D**

**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**

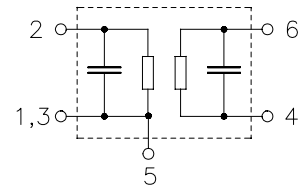
- Ni, gold-plated



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 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.	
<b>Center frequency</b>		$f_c$		—	1542,0	—	MHz
<b>Maximum insertion attenuation</b>	1525,0 ... 1559,0	MHz	$\alpha_{max}$	—	3,3	4,5	dB
<b>Amplitude ripple (p-p)</b>	1525,0 ... 1559,0	MHz	$\Delta\alpha$	—	0,7	1,5	dB
<b>Absolute attenuation</b>			$\alpha_{abs}$				
	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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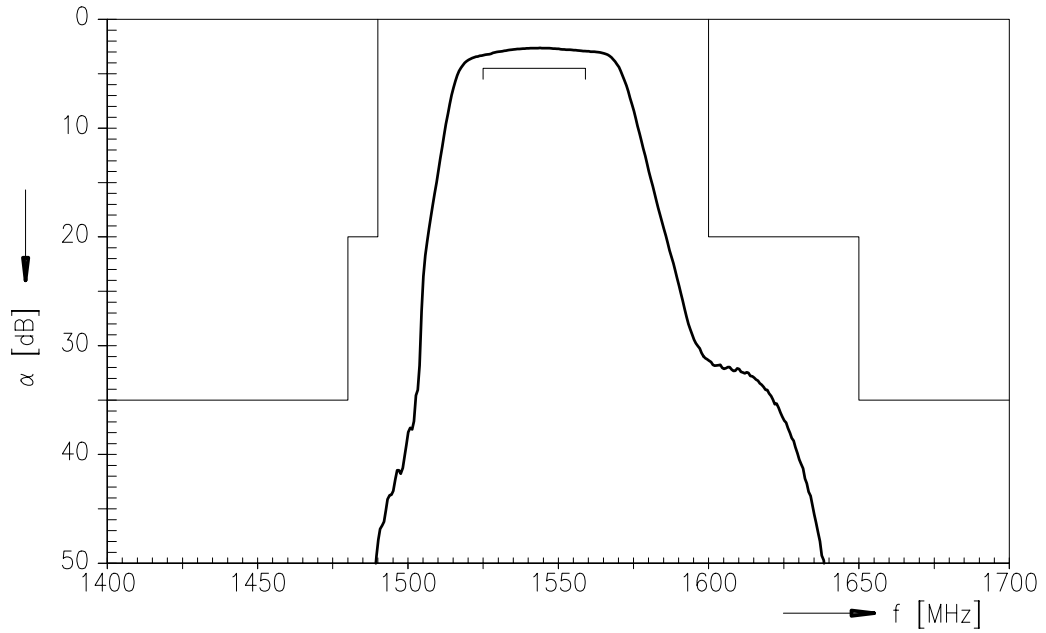
Low Loss Filter

1542,0 MHz

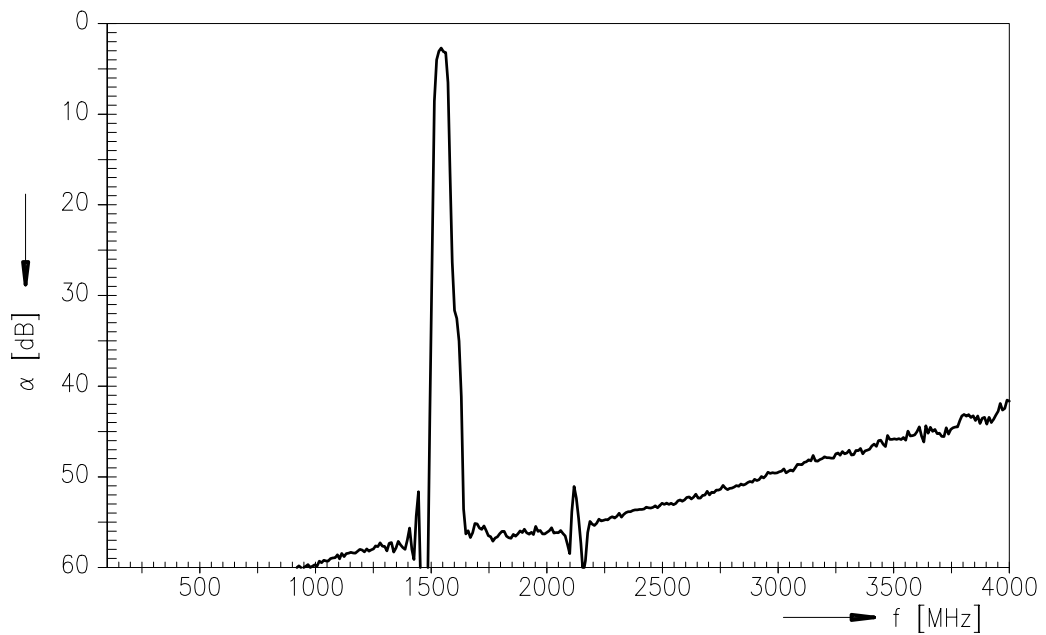
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### Transfer function



### Transfer function (wide band)





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