



SAW Components

Data Sheet B4066





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Low Loss Filter

1542,0 MHz

Data Sheet



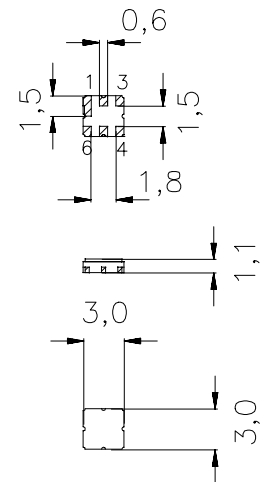
Ceramic Package DCC6D

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

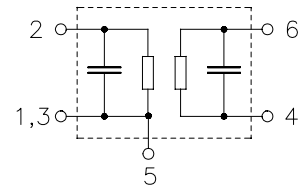
- Ni, gold-plated



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: $Z_S = 50$ Ω
 Terminating load impedance: $Z_L = 50$ Ω (balanced)

			min.	typ.	max.	
Center frequency	f_c		—	1542,0	—	MHz
Maximum insertion attenuation	α_{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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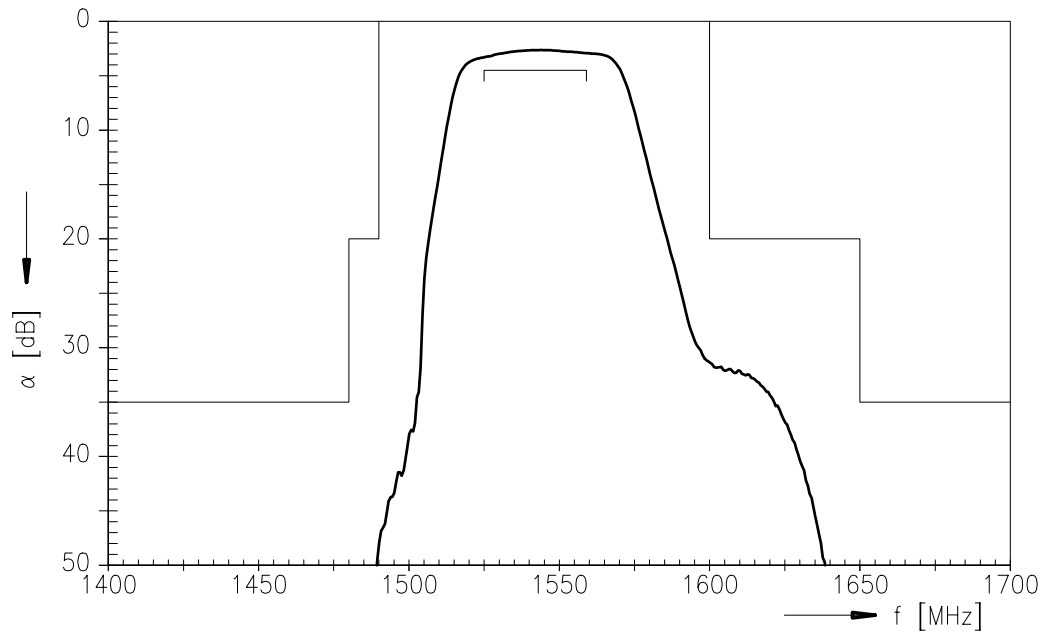
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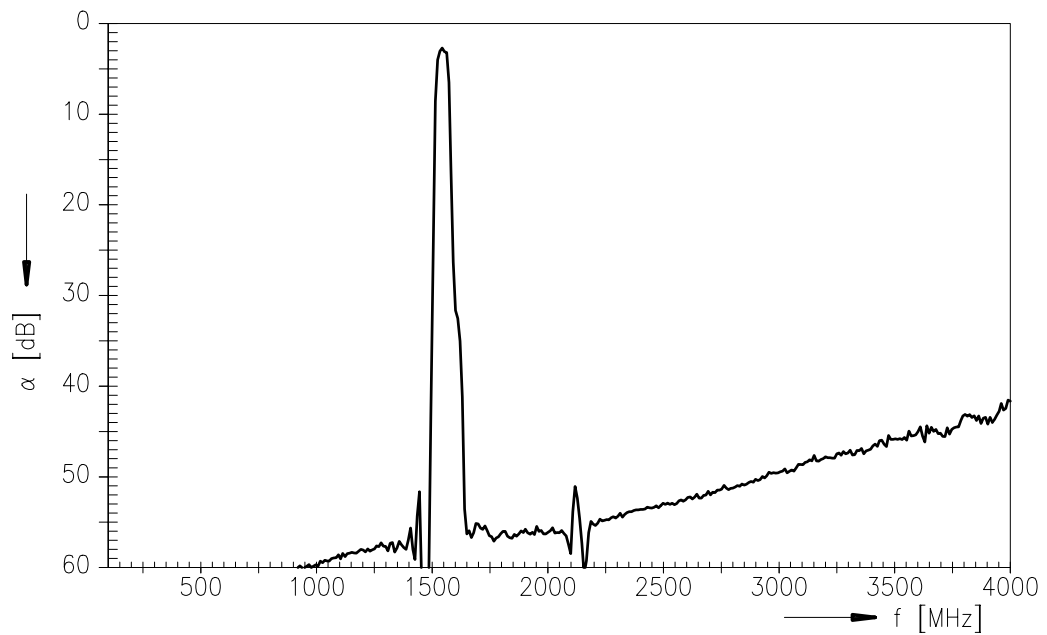
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Transfer function



Transfer function (wide band)





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P.O. Box 80 17 09, 81617 Munich, GERMANY

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