



SAW Components

Data Sheet B4066





| | |
|------------------------|-------------------|
| SAW Components | B4066 |
| Low Loss Filter | 1542,0 MHz |

Data Sheet



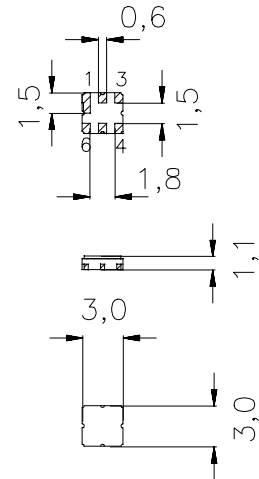
Ceramic Package DCC6D

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

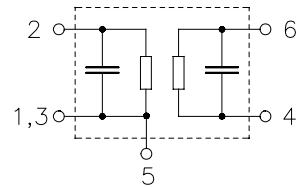
- Ni, gold-plated



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



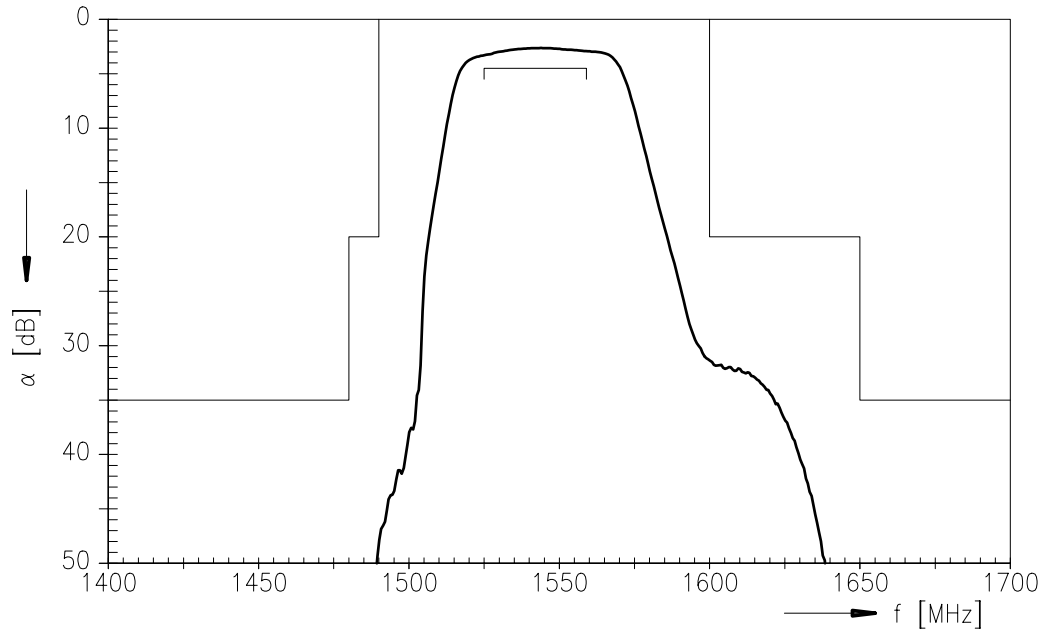
Characteristics

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

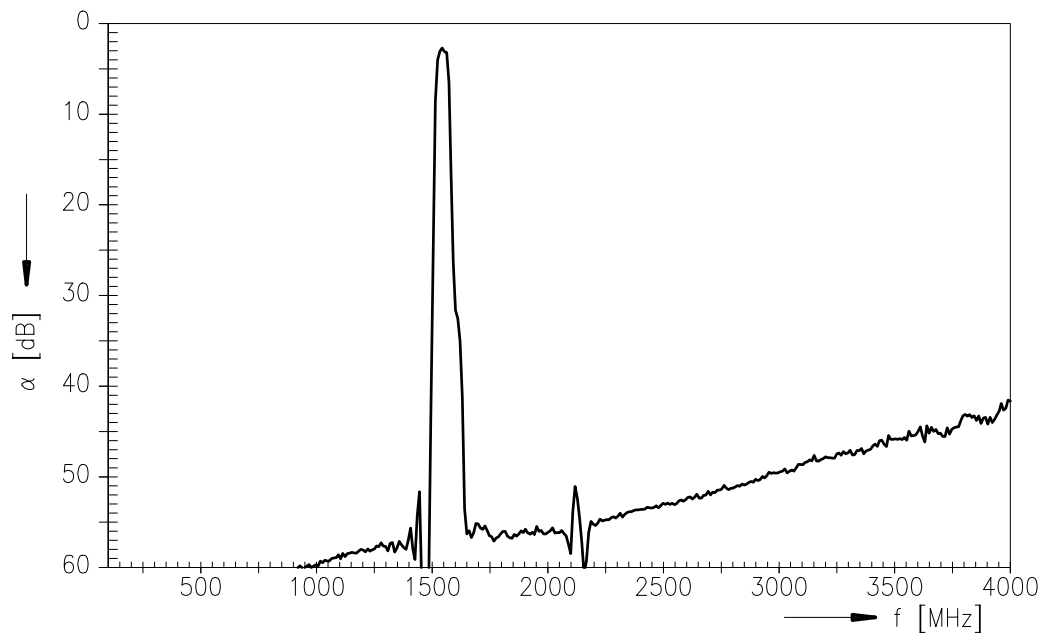
| | | | min. | typ. | max. | |
|--------------------------------------|----------------|-----------------------|------|--------|------|-----|
| Center frequency | f_c | | — | 1542,0 | — | MHz |
| Maximum insertion attenuation | α_{max} | 1525,0 ... 1559,0 MHz | — | 3,3 | 4,5 | dB |
| Amplitude ripple (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 |



Transfer function



Transfer function (wide band)





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Low Loss Filter

1542,0 MHz

Data Sheet



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

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