



SAW Components

Data Sheet B4058





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B4058

Low Loss Filter

1575.0 MHz

Preliminary Data Sheet



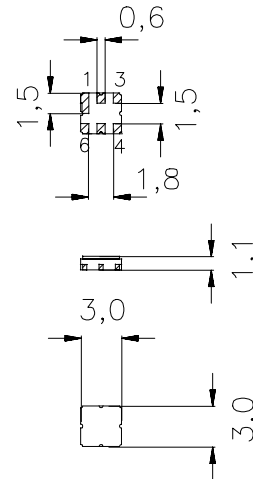
Ceramic package DCC6D

Features

- Low loss RF filter for GPS receivers
- Usable passband 20 MHz
- Low insertion attenuation, low amplitude ripple
- Unbalanced to balanced operation
- Ceramic package for **Surface Mounted Technology (SMT)**

Terminals

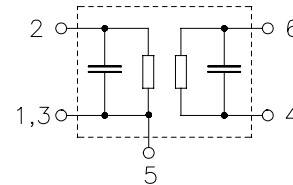
- Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

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
B4058	B39162-B4058-U510	C61157-A7-A68	F61074-V8089-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	-40 / +85	°C	source impedance 50 Ω
Storage temperature range	T_{stg}	-40 / +85	°C	
DC voltage	V_{DC}	0	V	
Source power	P_S	0	dBm	



Characteristics

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

			min.	typ.	max.	
Center frequency	f_c		—	1575,0	—	MHz
Maximum insertion attenuation	α_{max}	1565,0 ... 1585,0 MHz	—	4,0	4,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$	1565,0 ... 1585,0 MHz	—	1,2	1,5	dB
Absolute attenuation	α					
		0,0 ... 1000,0 MHz	40,0	47,0	—	dB
		1000,0 ... 1435,0 MHz	32,0	39,0	—	dB
		1435,0 ... 1525,0 MHz	25,0	36,0	—	dB
		1525,0 ... 1540,0 MHz	7,0	36,0	—	dB
		1610,0 ... 1625,0 MHz	7,0	19,0	—	dB
		1625,0 ... 1715,0 MHz	25,0	32,0	—	dB
		1715,0 ... 1785,0 MHz	34,0	40,0	—	dB
		1785,0 ... 2200,0 MHz	30,0	36,0	—	dB
		2200,0 ... 2500,0 MHz	27,0	34,0	—	dB
		2500,0 ... 4000,0 MHz	18,0	25,0	—	dB



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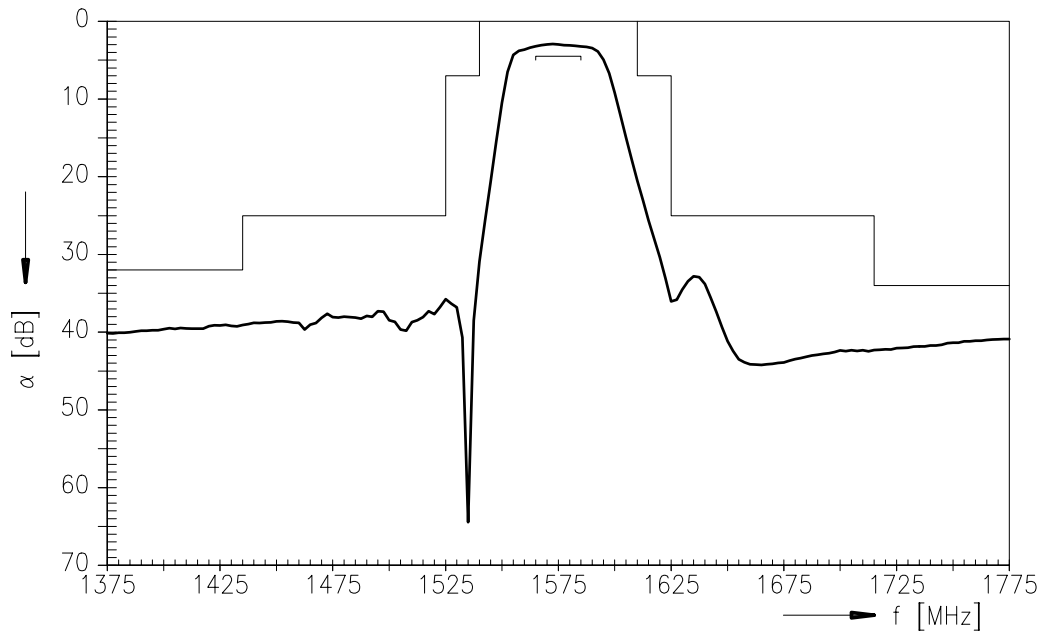
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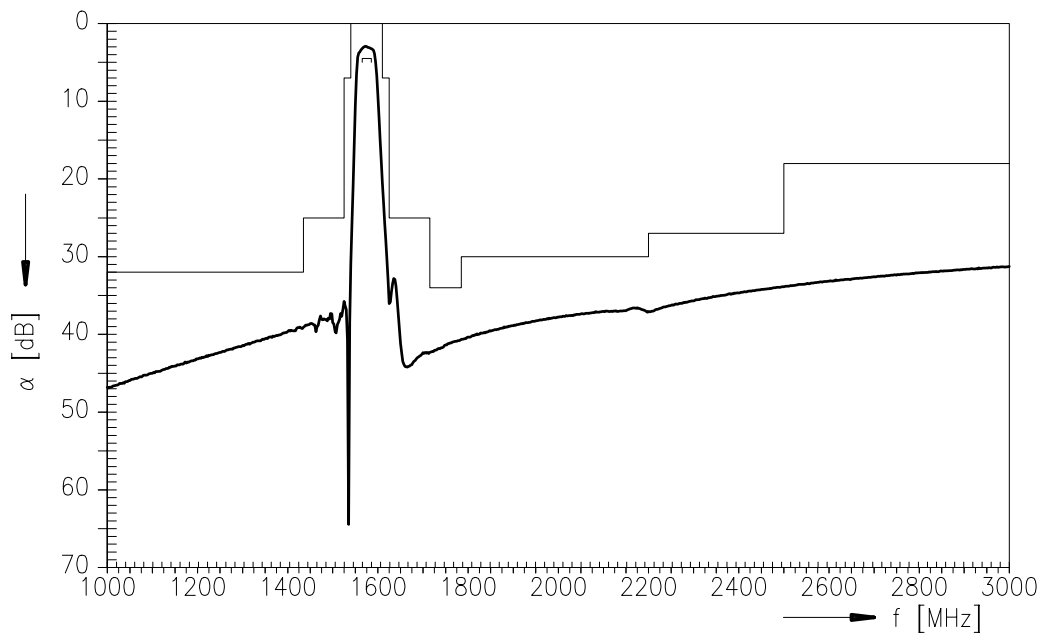
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Transfer function



Transfer function (wide band)





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