



# SAW Components

Data Sheet B4060





**SAW Components**

**B4060**

**Low-Loss Filter**

**1575.4 MHz**

**Data Sheet**

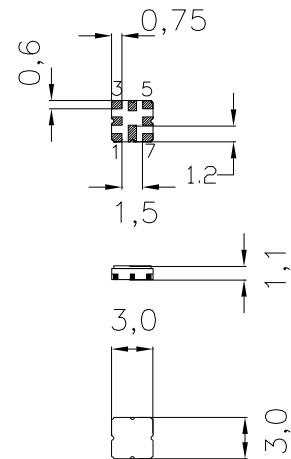
SMD ceramic package **QCC8D**

**Features**

- Low loss RF filter for GPS receivers
- Unbalanced to unbalanced or unbalanced to balanced operation
- Package for **Surface Mounted Technology (SMT)**

**Terminals**

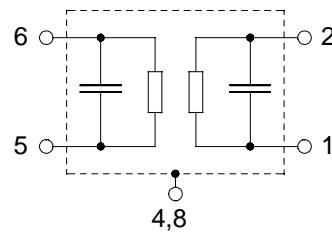
- Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

**Pin configuration**

- 6 Input
- 5 Input ground
- 2 Output
- 1 Output (bal) or output ground (unbal.)
- 3, 7 To be grounded
- 4, 8 Case - ground



Type	Ordering code	Marking and Package according to	Packing according to
B4060	B39162-B4060-U810	C61157-A7-A72	F61074-V8101-Z000

**Electrostatic Sensitive Device (ESD)**

**Maximum ratings**

Operable temperature range	$T$	- 40/+ 85	°C	source impedance 50 $\Omega$ , c.w. 824...849 MHz, 890...915 MHz, 1710...1785 MHz
Storage temperature range	$T_{stg}$	- 40/+ 85	°C	
DC voltage	$V_{DC}$	0	V	
Source power	$P_s$	0	dBm	
		10	dBm	



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**Characteristics**

Operating temperature range:  $T_A = -30 \dots +85 \text{ }^\circ\text{C}$   
 Terminating source impedance:  $Z_S = 50 \text{ } \Omega \text{ unbal.}$   
 Terminating load impedance:  $Z_L = 50 \text{ } \Omega \text{ unbal.}$

				min.	typ.	max.	
<b>Nominal frequency</b>	$f_N$			—	1575,42	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$			—	1,3	1,8	dB
		1574,22MHz ...	1576,62 MHz				
<b>Amplitude ripple in passband (p-p)</b>	$\Delta\alpha$			—	0,1	1,0	dB
		1574,22MHz ...	1576,62 MHz				
<b>Attenuation</b>	$\alpha$						
		100,0MHz ...	1450,0 MHz	40	44	—	dB
		1450,0 MHz ...	1520,0 MHz	30	34	—	dB
		1625,0 MHz ...	1640,0 MHz	20	25	—	dB
		1640,0 MHz ...	1710,0 MHz	25	30	—	dB
		1710,0 MHz ...	1805,0 MHz	35	43	—	dB
		1805,0 MHz ...	1910,0 MHz	45	52	—	dB
		1910,0 MHz ...	2000,0 MHz	40	45	—	dB



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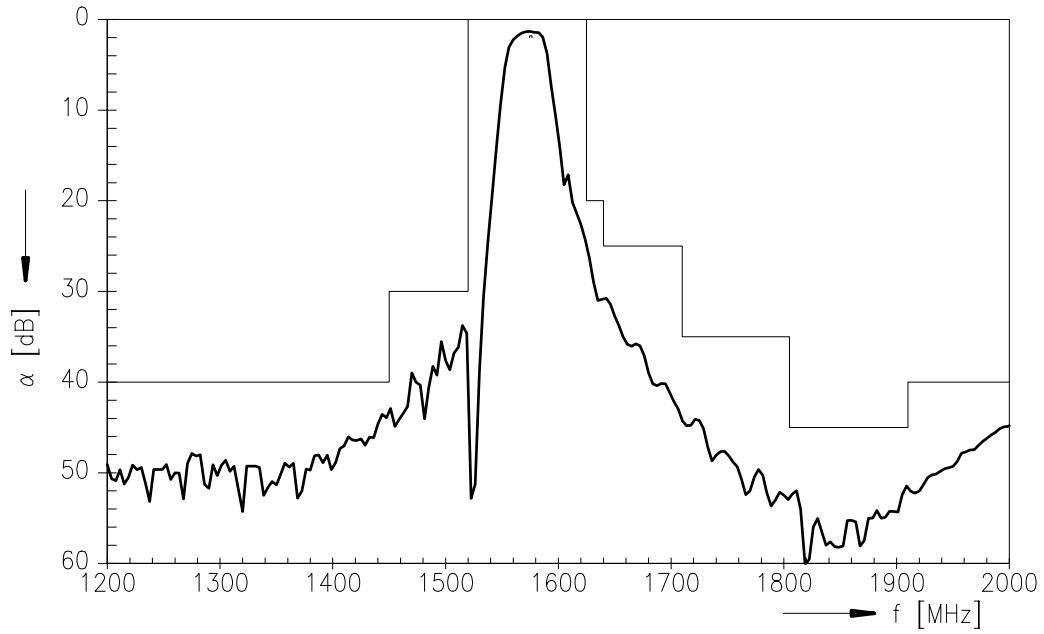
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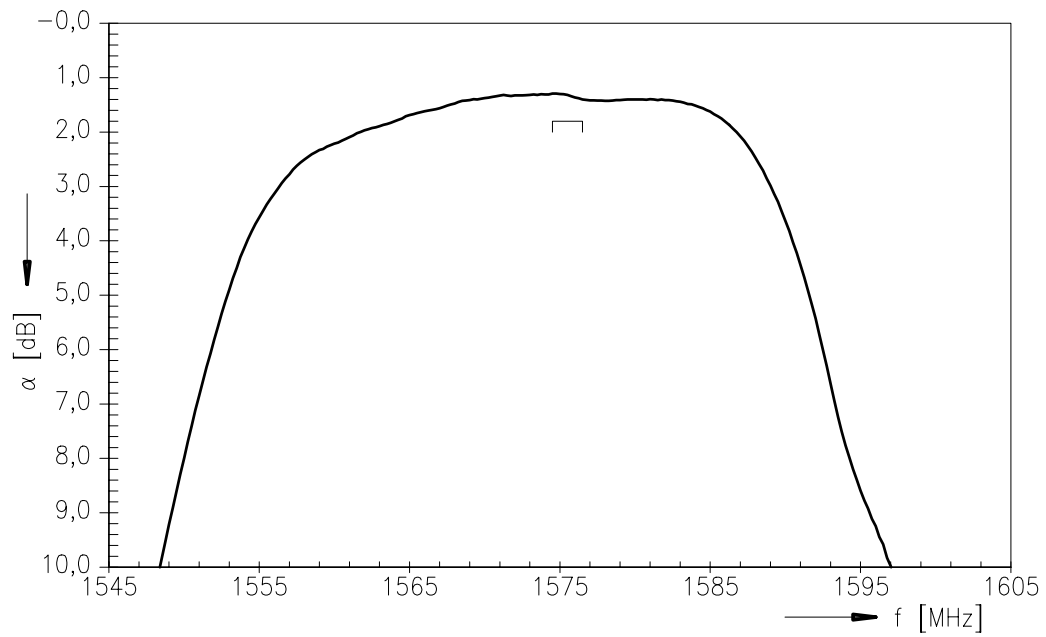
1575.4 MHz

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Transfer function



Transfer function (pass band)





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