



SAW Components

Data Sheet B4060





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B4060

Low-Loss Filter

1575.4 MHz

Data Sheet

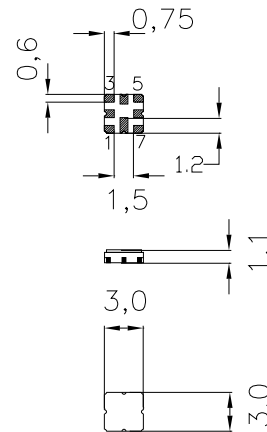
SMD ceramic package QCC8D

Features

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

Terminals

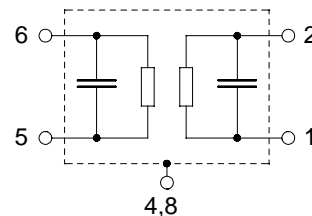
- Ni, gold-plated



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 Ω , 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.	
Nominal frequency	f_N	—	1575,42	—	MHz
Maximum insertion attenuation	α_{\max}	—	1,3	1,8	dB
1574,22MHz ... 1576,62 MHz					
Amplitude ripple in passband (p-p)	$\Delta\alpha$	—	0,1	1,0	dB
1574,22MHz ... 1576,62 MHz					
Attenuation	α				
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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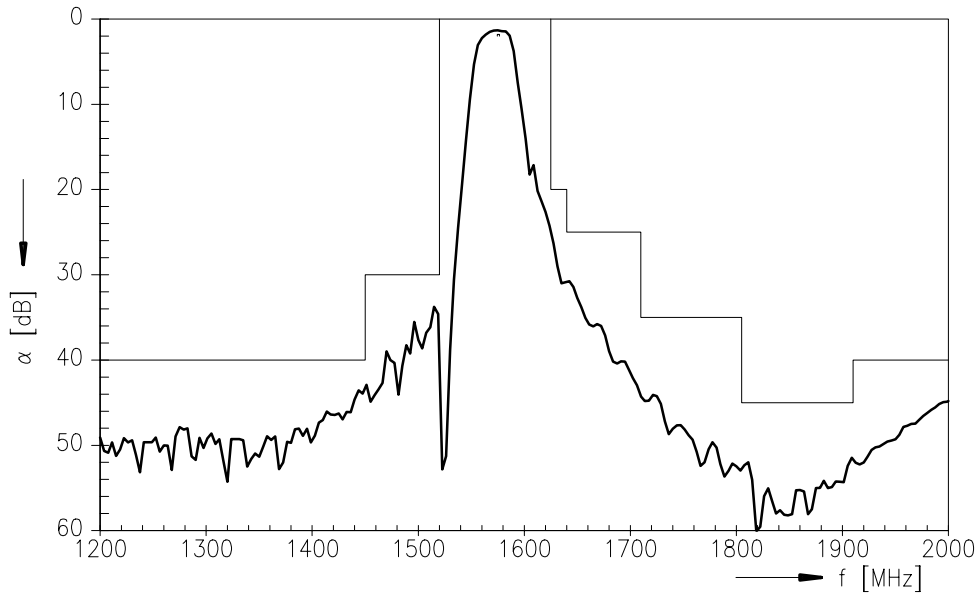
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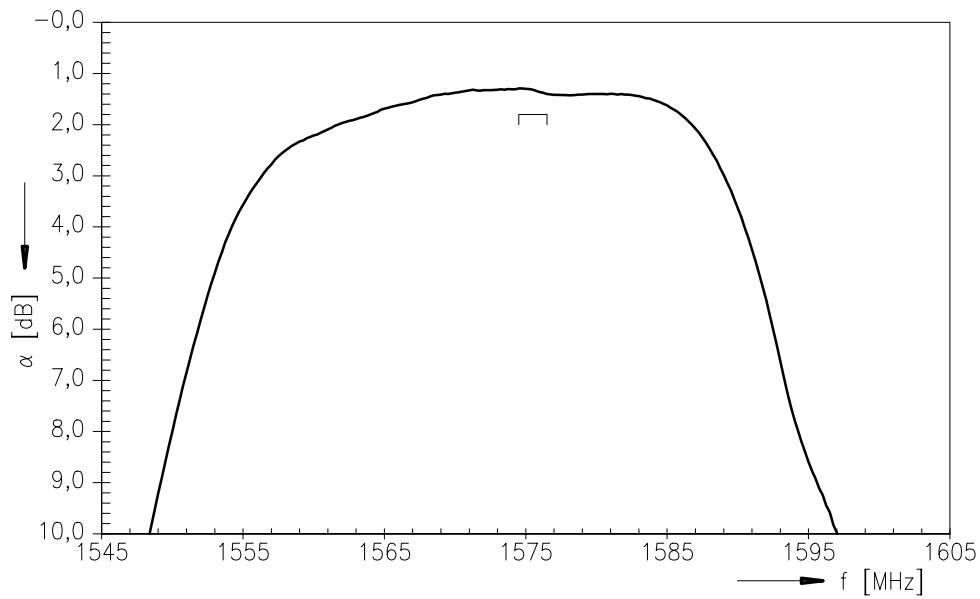
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Transfer function



Transfer function (pass band)





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This brochure replaces the previous edition.

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