



SAW Components

Preliminary Data Sheet B4057

Data Sheet

An abstract, grayscale graphic featuring a large, stylized, and slightly blurred "EPCOS" logo. The logo is set against a background of curved, overlapping bands and a faint world map, creating a sense of global connectivity and technology.



SAW Components

B4057

Low Loss Filter

1228.0 MHz

Preliminary Data Sheet



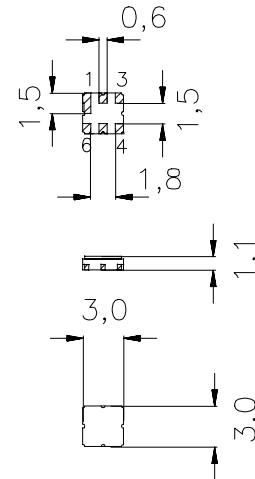
Ceramic package DCC6D

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

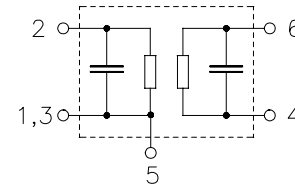
- Ni, gold-plated



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
B4057	B39122-B4057-U510	C61157-A7-A68	F61074-V8089-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

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



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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		—	1228,0	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
	1218,0 ... 1238,0 MHz		—	3,0	3,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	1218,0 ... 1238,0 MHz		—	1,0	1,5	dB
Absolute attenuation	α					
	0,0 ... 1088,0 MHz		35,0	53,0	—	dB
	1088,0 ... 1178,0 MHz		30,0	48,0	—	dB
	1178,0 ... 1193,0 MHz		11,0	30,0	—	dB
	1263,0 ... 1278,0 MHz		10,0	23,0	—	dB
	1278,0 ... 1368,0 MHz		28,0	31,0	—	dB
	1368,0 ... 1785,0 MHz		33,0	48,0	—	dB
	1785,0 ... 2500,0 MHz		27,0	48,0	—	dB
	2500,0 ... 4000,0 MHz		18,0	28,0	—	dB



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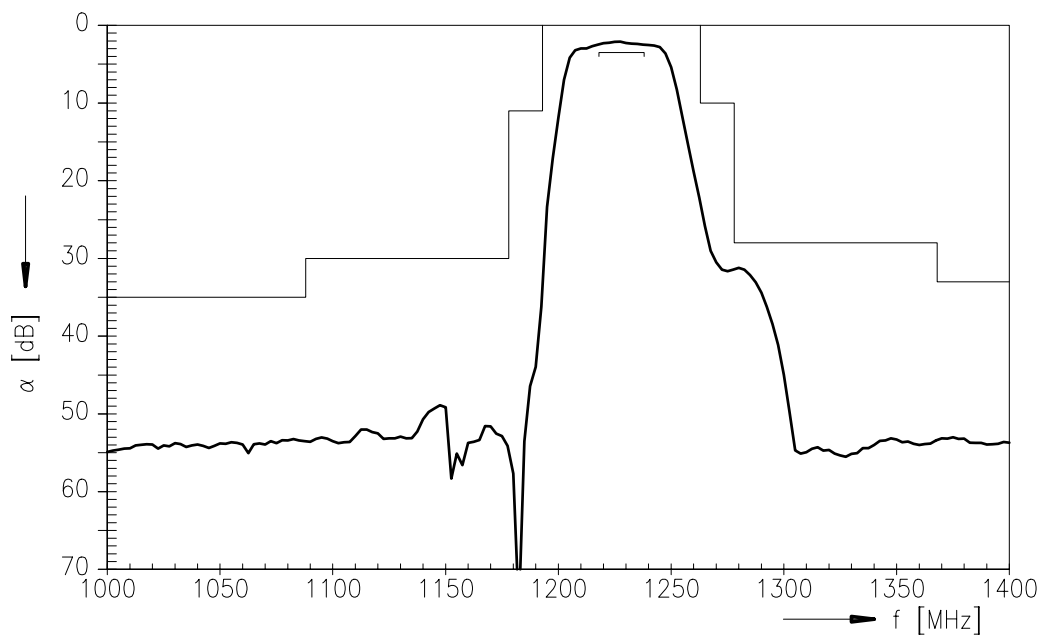
Low Loss Filter

1228.0 MHz

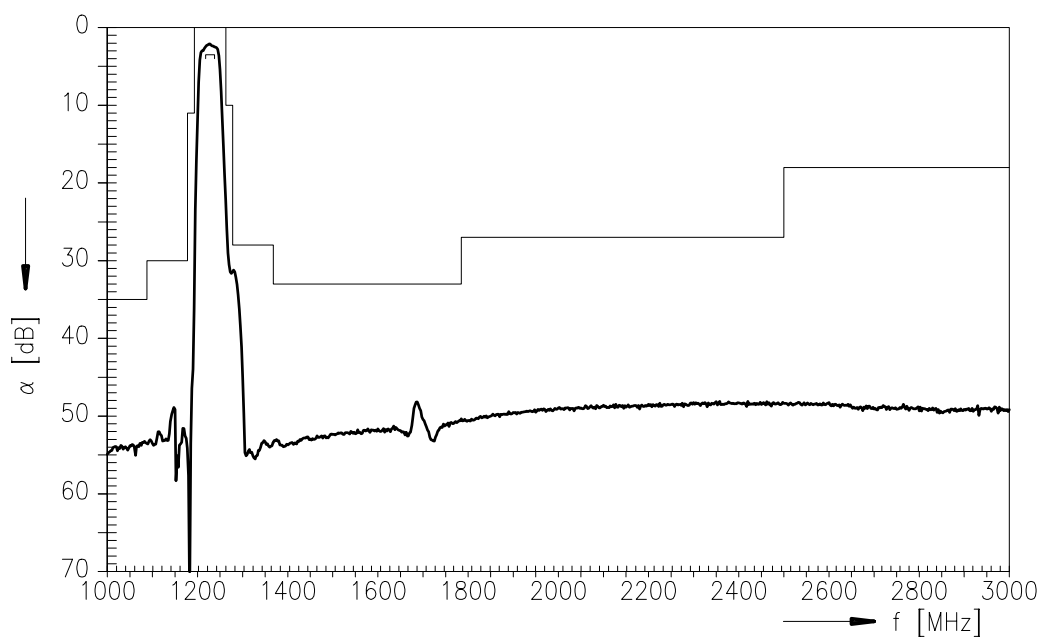
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Transfer function



Transfer function (wide band)





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Low Loss Filter	1228.0 MHz
Preliminary Data Sheet	SMD

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