



SAW Components

Preliminary Data Sheet B4057

Data Sheet

A large, stylized, italicized logo for "EPCOS" in white. The letters are partially obscured by a dark, curved shape that resembles a stylized "C" or a wave. In the background, there is a faint, semi-transparent image of a globe showing continents and latitude/longitude lines.

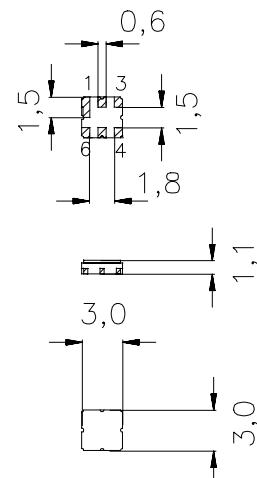
SAW Components
B4057
Low Loss Filter
1228.0 MHz
Preliminary Data Sheet

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

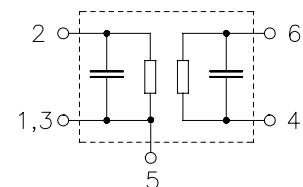
- Ni, gold-plated



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

Characteristics

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

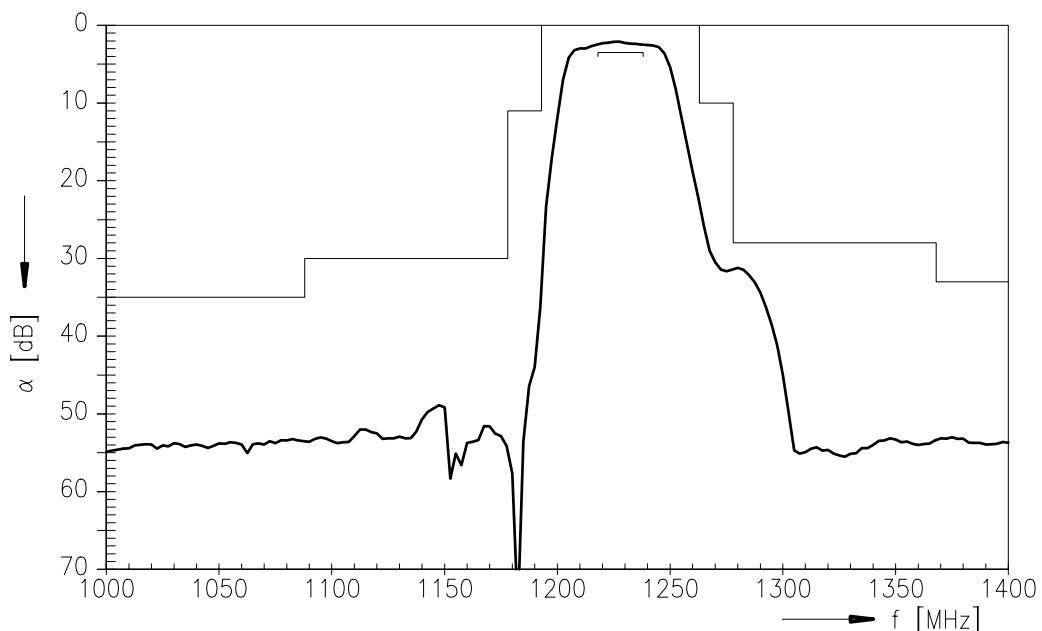
			min.	typ.	max.	
Center frequency		f_c	—	1228,0	—	MHz
Maximum insertion attenuation		α_{\max}	—	3,0	3,5	dB
	1218,0 ... 1238,0	MHz	—			
Amplitude ripple (p-p)		$\Delta\alpha$	—	1,0	1,5	dB
	1218,0 ... 1238,0	MHz	—			
Absolute attenuation		α	35,0	53,0	—	dB
	0,0 ... 1088,0	MHz	30,0	48,0	—	dB
	1088,0 ... 1178,0	MHz	11,0	30,0	—	dB
	1178,0 ... 1193,0	MHz	10,0	23,0	—	dB
	1263,0 ... 1278,0	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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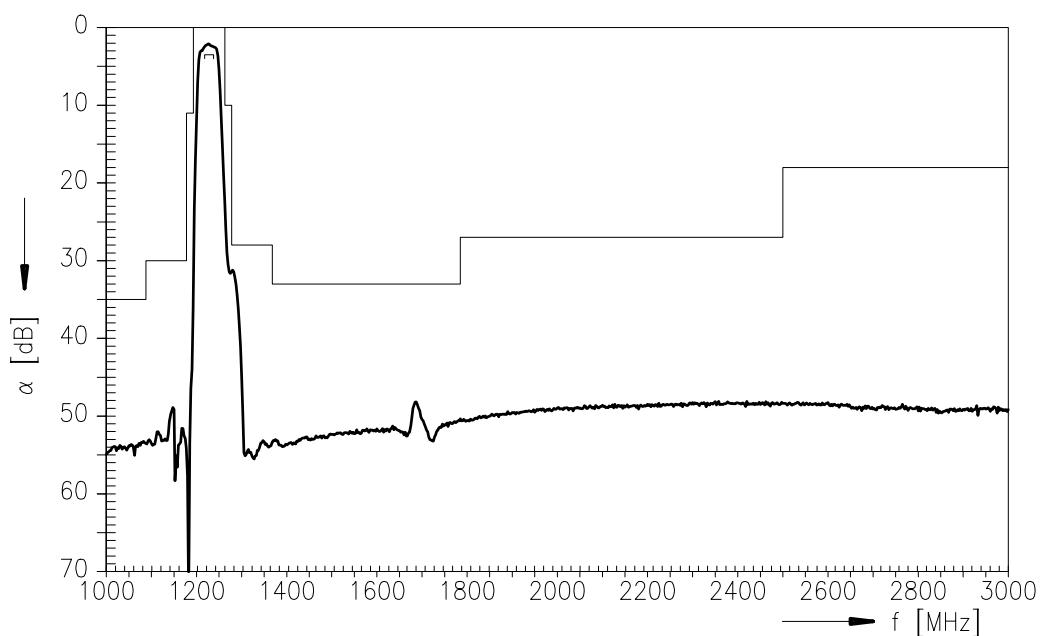
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Transfer function



Transfer function (wide band)





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