



SAW Components

Data Sheet B4058

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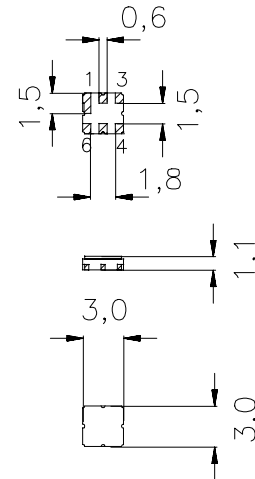
EPCOS AG is a TDK Group Company.


 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

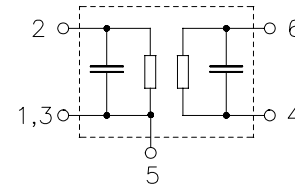
- Ni, gold-plated



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	

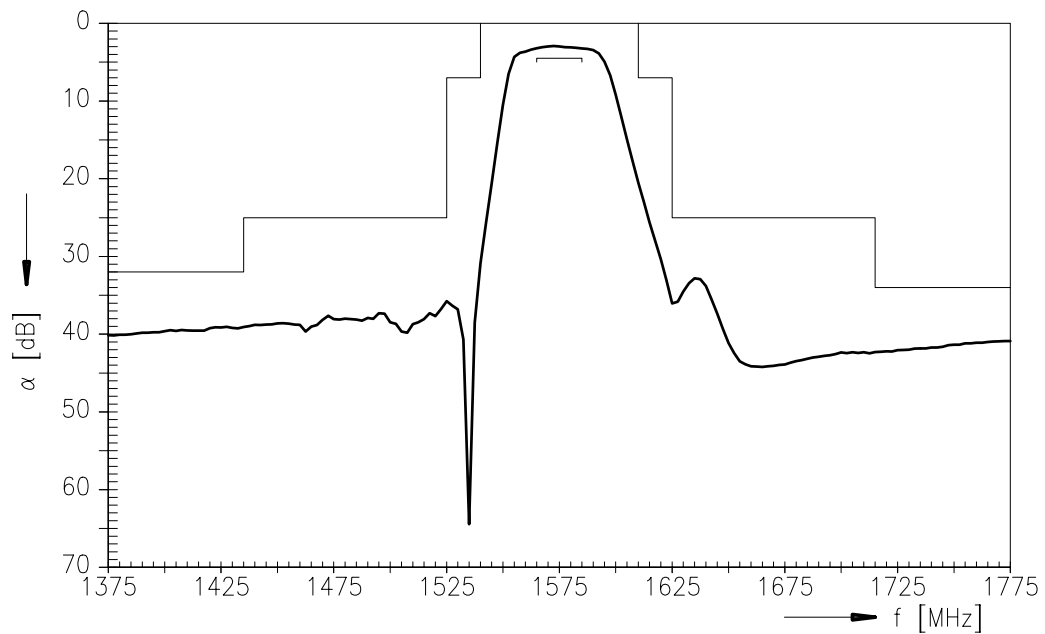

Characteristics

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)

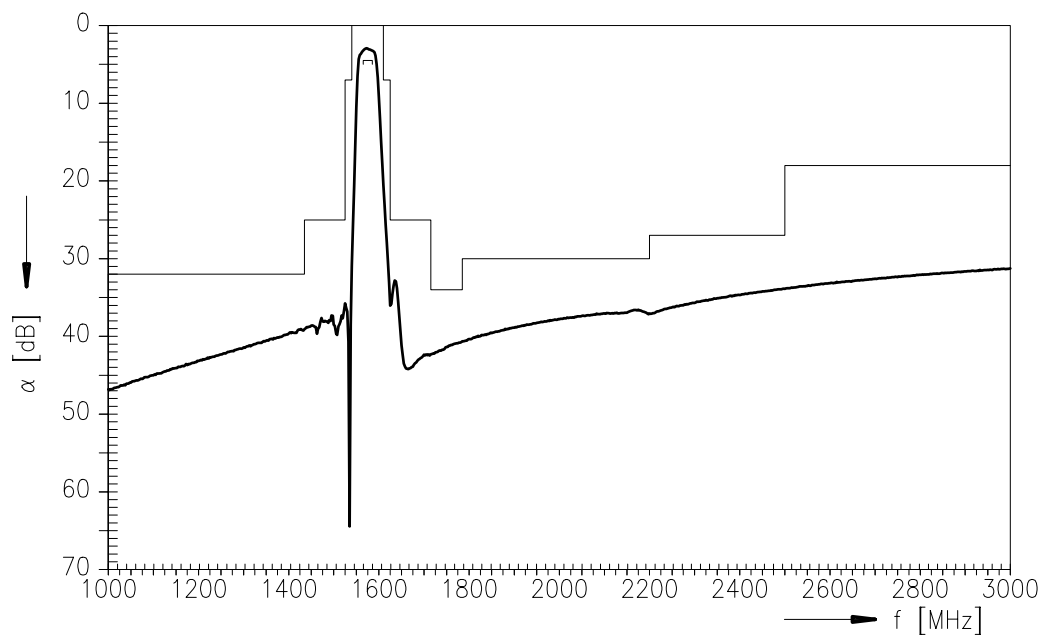
				min.	typ.	max.	
Center frequency		f_c		—	1575,0	—	MHz
Maximum insertion attenuation	1565,0 ... 1585,0	α_{\max}	MHz	—	4,0	4,5	dB
Amplitude ripple (p-p)	1565,0 ... 1585,0	$\Delta\alpha$	MHz	—	1,2	1,5	dB
Absolute attenuation		α					
	0,0 ... 1000,0		MHz	40,0	47,0	—	dB
	1000,0 ... 1435,0		MHz	32,0	39,0	—	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



Transfer function



Transfer function (wide band)



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The information describes the type of component and shall not be considered as assured characteristics.

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For questions on technology, prices and delivery please contact the sales offices of EPCOS AG or the international representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our sales offices.