



SAW Components

Data Sheet B4058





SAW Components

B4058

Low Loss Filter

1575.0 MHz

Preliminary Data Sheet



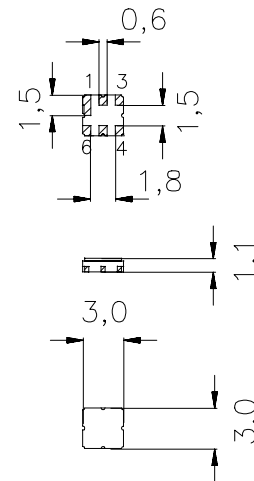
Ceramic package DCC6D

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

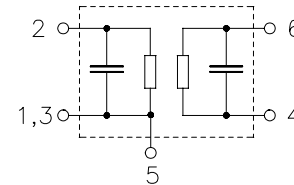
- Ni, gold-plated



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
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	α_{max}	1565,0 ... 1585,0 MHz	—	4,0	4,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$	1565,0 ... 1585,0 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



SAW Components

B4058

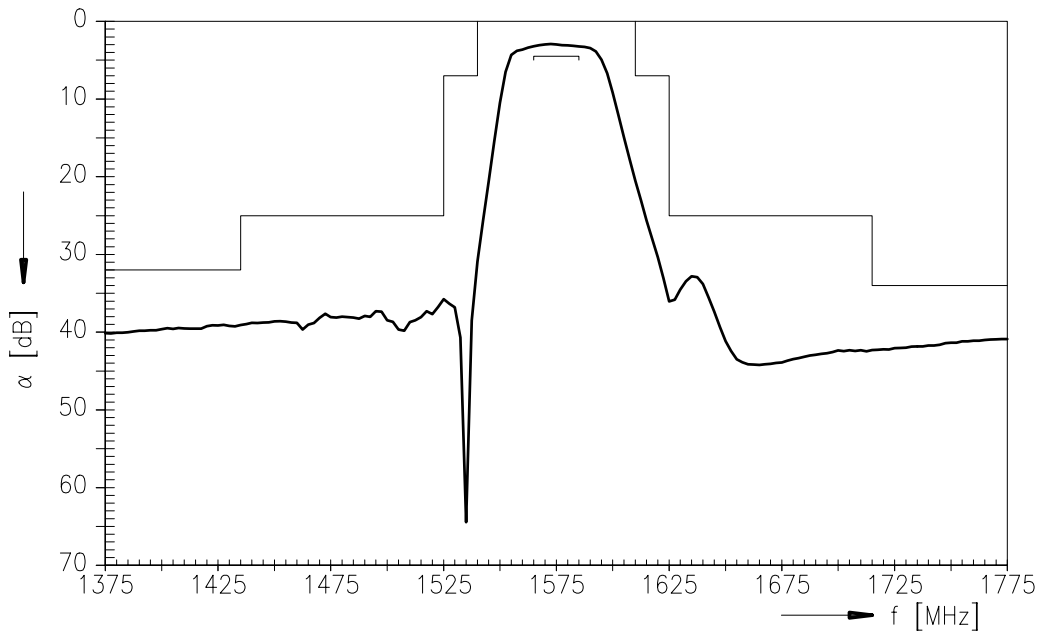
Low Loss Filter

1575.0 MHz

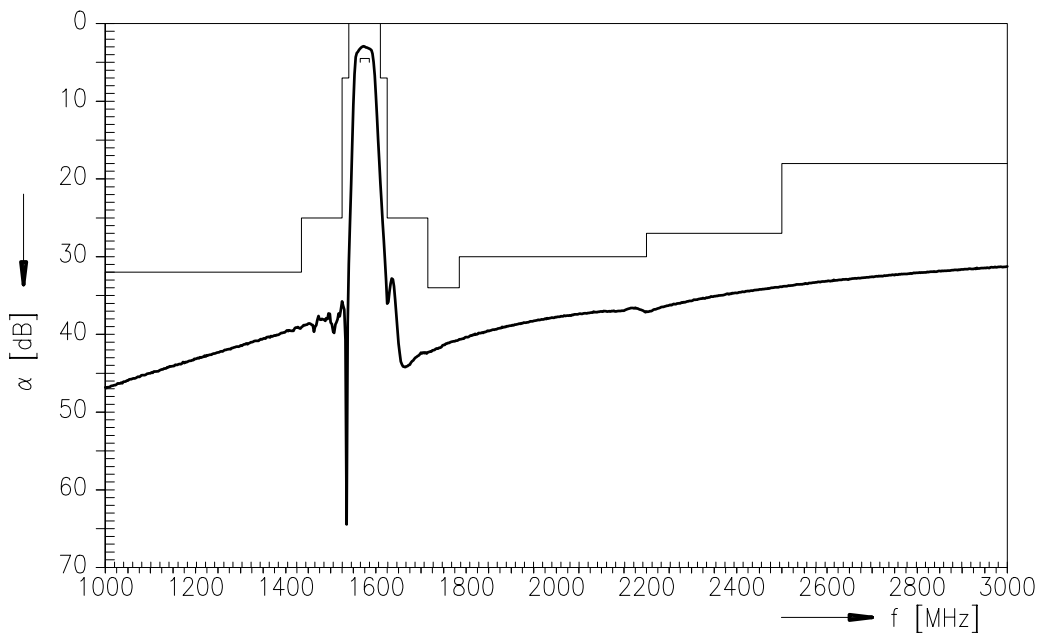
Preliminary Data Sheet



Transfer function



Transfer function (wide band)





SAW Components

B4058

Low Loss Filter

1575.0 MHz

PreliminaryData Sheet



Published by EPCOS AG

Surface Acoustic Wave Components Division, SAW MC IS PD WL

P.O. Box 80 17 09, D-81617 München

© EPCOS AG 2000. All Rights Reserved.

As far as patents or other rights of third parties are concerned, liability is only assumed for components per se, not for applications, processes and circuits implemented within components or assemblies.

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

Terms of delivery and rights to change design reserved.

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.