



SAW Components

Data Sheet B4154

Data Sheet

An abstract, grayscale background graphic featuring a globe with a grid pattern. Overlaid on the globe is the word "EPCOS" in a large, white, sans-serif font, which is slightly tilted and appears to be part of a larger, repeating pattern.

EPCOS



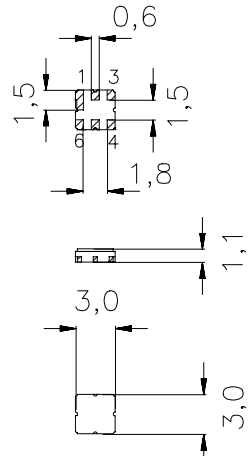
Ceramic package **DCC6D**

Features

- Low-loss RF filter for mobile telephone PCS systems, receive path
- Low amplitude ripple
- Usable passband 60 MHz
- Unbalanced to balanced operation
- Package for **Surface Mounted Technology (SMT)**
- Ceramic SMD package

Terminals

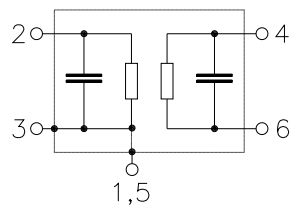
- Gold-plated Ni



Dimensions in mm, approx. weight 0,037 g

Pin configuration

- | | |
|---------|------------------------|
| 2 | Input, unbalanced |
| 4, 6 | Output, balanced |
| 1, 3, 5 | Ground, to be grounded |



Type	Ordering code	Marking and Package according to	Packing according to
B4154	B39202-B4154-U510	C61157-A7-A68	F61074-V8089-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operating temperature range	T	$-30 / +85$	$^{\circ}\text{C}$	source and load impedance 50 Ω peak power of TDMA signal, duty cycle 1 : 3
Storage temperature range	T_{stg}	$-40 / +85$	$^{\circ}\text{C}$	
DC voltage	V_{DC}	5	V	
Input power max.	P_{IN}	0	dBm	



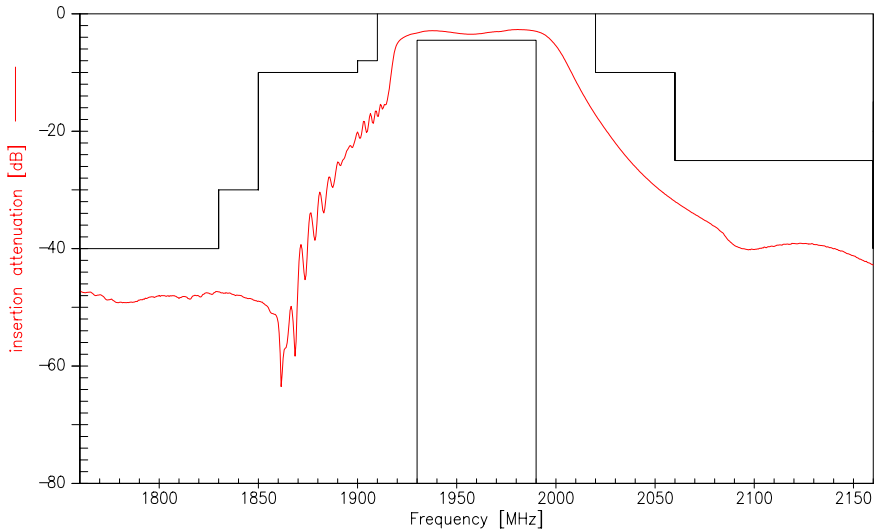
Characteristics

Operating Temperature Range:	T = -30 to +85°C
Terminating source impedance:	Z_S = 50 Ω (unbalanced)
Terminating load impedance:	Z_L = 50 Ω (balanced)

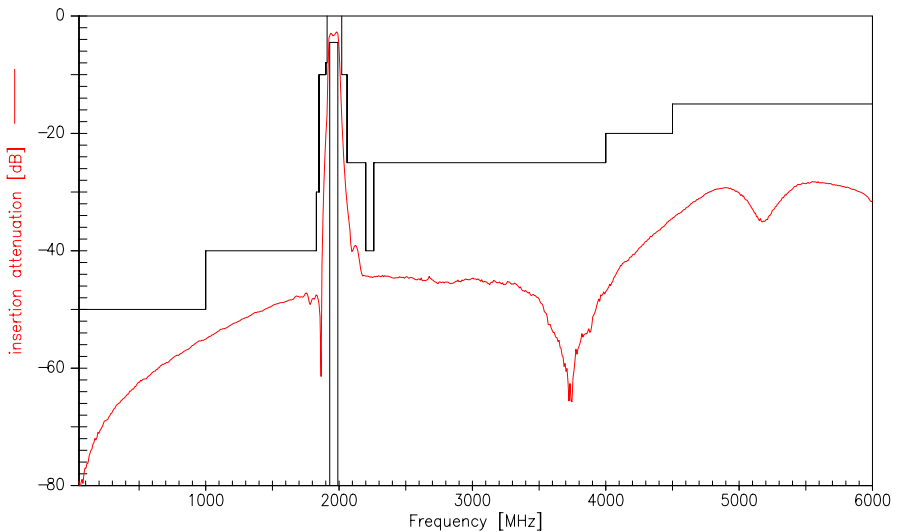
			min.	typ.	max.	
Center frequency	f_C		—	1960,0	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
1930,0 ... 1990,0 MHz			—	3,6	4,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
1930,0 ... 1990,0 MHz			—	0,9	1,8	dB
Attenuation	α					
0,0 ... 1000,0 MHz			50	56	—	dB
1000,0 ... 1830,0 MHz			40	50	—	dB
1830,0 ... 1850,0 MHz			30	50	—	dB
1850,0 ... 1900,0 MHz			10	19	—	dB
1900,0 ... 1910,0 MHz			8	16	—	dB
2020,0 ... 2060,0 MHz			10	17	—	dB
2060,0 ... 2200,0 MHz			25	32	—	dB
2200,0 ... 2260,0 MHz			40	47	—	dB
2260,0 ... 4000,0 MHz			25	42	—	dB
4000,0 ... 4500,0 MHz			20	33	—	dB
4500,0 ... 6000,0 MHz			15	30	—	dB



Transfer function (three port measurement)



Transfer function (wideband)





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