



# SAW Components

Data Sheet B4154

Data Sheet

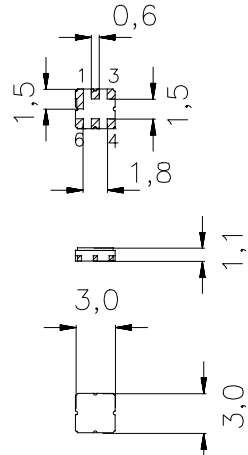



 Ceramic package **DCC6D**
**Features**

- 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**

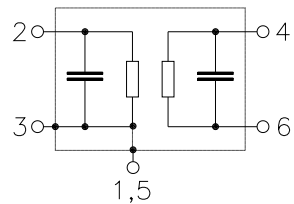
- Gold-plated Ni



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**

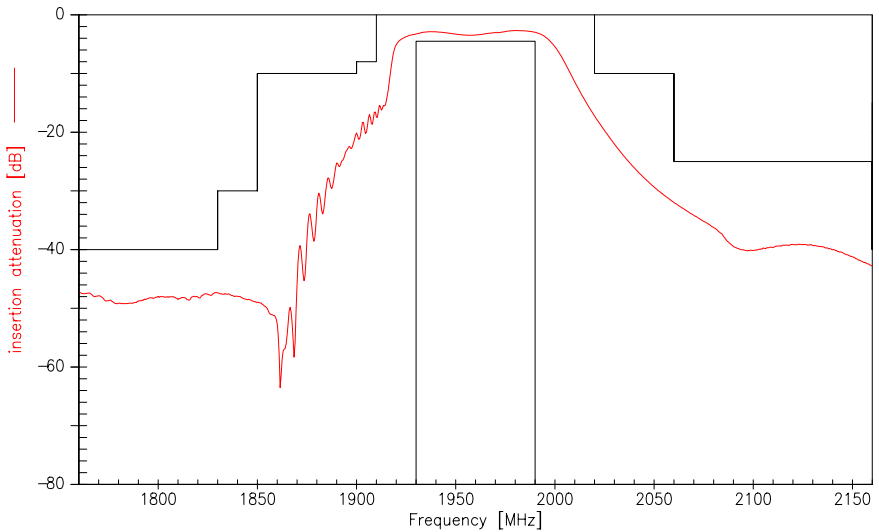
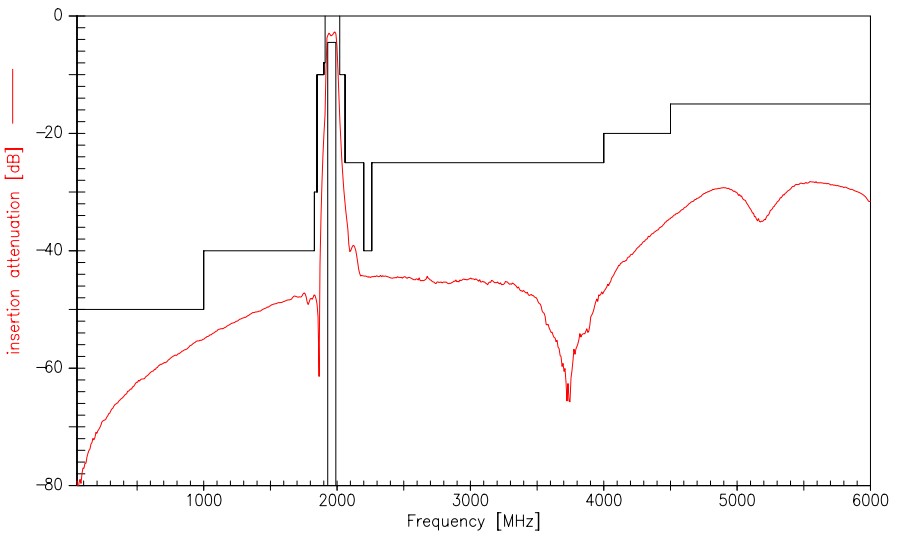
Operating temperature range	$T$	- 30 / + 85	°C	source and load impedance 50 $\Omega$ peak power of TDMA signal, duty cycle 1 : 3
Storage temperature range	$T_{stg}$	- 40 / + 85	°C	
DC voltage	$V_{DC}$	5	V	
Input power max.	$P_{IN}$	0	dBm	



### Characteristics

Operating Temperature Range:	$T = -30$ to $+85^{\circ}\text{C}$
Terminating source impedance:	$Z_S = 50\ \Omega$ (unbalanced)
Terminating load impedance:	$Z_L = 50\ \Omega$ (balanced)

		min.	typ.	max.	
<b>Center frequency</b>	$f_C$	—	1960,0	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
1930,0 ... 1990,0 MHz		—	3,6	4,5	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
1930,0 ... 1990,0 MHz		—	0,9	1,8	dB
<b>Attenuation</b>	$\alpha$				
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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