



SAW Components

Data Sheet B4154

Data Sheet



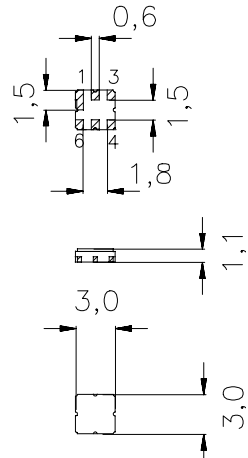


Features

- 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

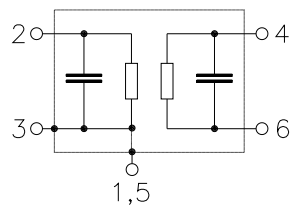
- Gold-plated Ni

Ceramic package **DCC6D**

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 $50\ \Omega$ 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	



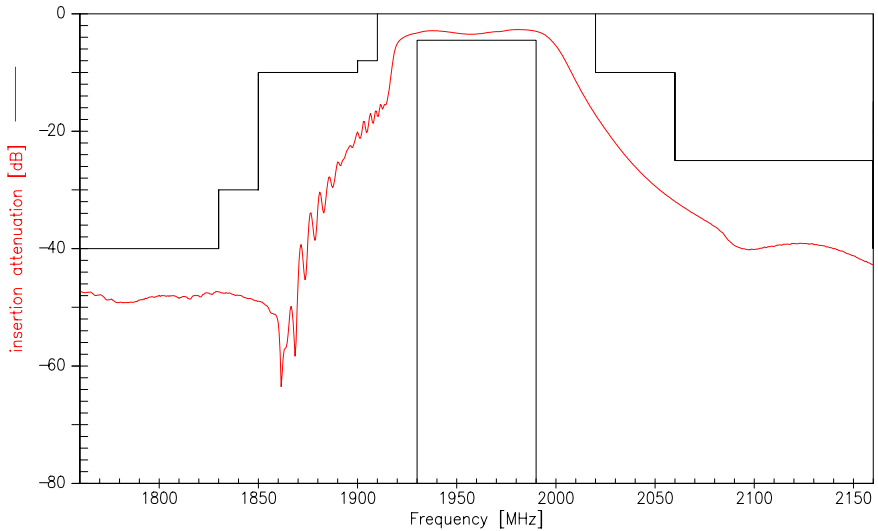
Characteristics

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

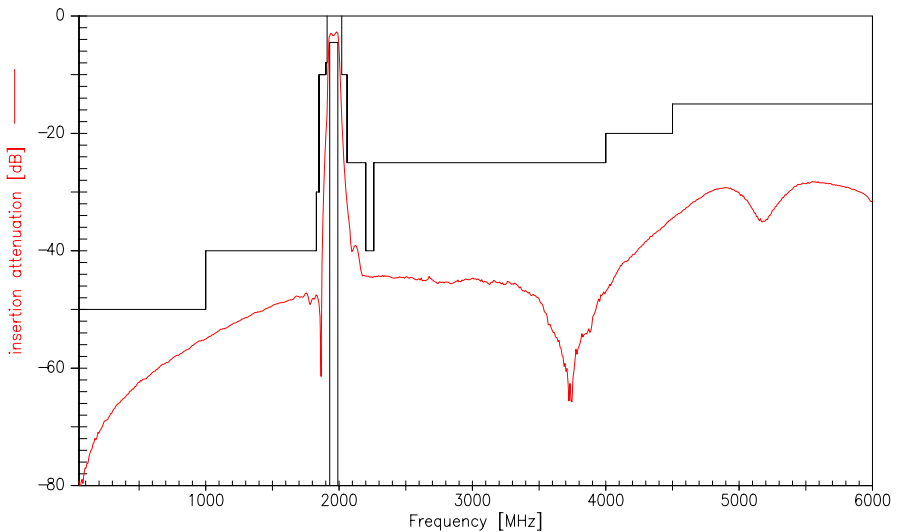
			min.	typ.	max.	
Center frequency	f_C		—	1960,0	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
	1930,0 ... 1990,0 MHz		—	3,6	4,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	1930,0 ... 1990,0 MHz		—	0,9	1,8	dB
Attenuation	α					
	0,0 ... 1000,0 MHz		50	56	—	dB
	1000,0 ... 1830,0 MHz		40	50	—	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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