



Siemens Matsushita Components

SAW Components

Low Loss Filter for Mobile Communication

B4693
1842,5 MHz

Data Sheet

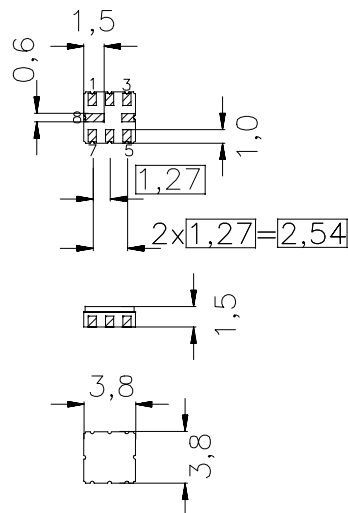
Features

- Low-loss RF filter for mobile telephone PCN system , receive path
- Low insertion attenuation
- Low amplitude ripple
- Usable passband: 75 MHz
- No matching network required for operation at 50 Ω
- Ceramic Package for **Surface Mounted Technology (SMT)**

Terminals

- Ni, gold-plated

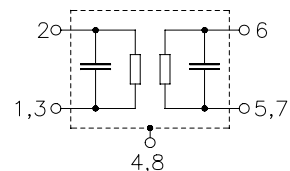
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,07 g

Pin configuration

2	Input
1, 3	Input - ground
6	Output
5, 7	Output - ground
4, 8	To be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B4693	B39182-B4693-Z810	C61157-A7-A46	F61074-V8037-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	$-25 / +75$	$^{\circ}\text{C}$	
Storage temperature range	T_{stg}	$-40 / +85$	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Source power	P_s	10	dBm	source impedance 50 Ω



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 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

			min.	typ.	max.	
Center frequency	f_c		—	1842,5	—	MHz
Maximum insertion attenuation	α_{\max}					
	1805,0 ... 1880,0 MHz		—	2,4	3,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	1805,0 ... 1880,0 MHz		—	1,0	1,6	dB
Attenuation	α					
	10,0 ... 1250,0 MHz		20,0	22,0	—	dB
	1250,0 ... 1450,0 MHz		22,0	24,0	—	dB
	1450,0 ... 1650,0 MHz		24,0	26,0	—	dB
	1650,0 ... 1710,0 MHz		20,0	27,0	—	dB
	1710,0 ... 1765,0 MHz		15,0	22,0	—	dB
	1765,0 ... 1785,0 MHz		7,0	15,0	—	dB
	1920,0 ... 1980,0 MHz		13,0	32,0	—	dB
	1980,0 ... 2179,0 MHz		30,0	32,0	—	dB
	2179,0 ... 2254,0 MHz		32,5	35,0	—	dB
	2254,0 ... 3000,0 MHz		15,0	17,0	—	dB



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	1980,0 ... 2179,0	MHz	30,0	32,0	—	dB
	2179,0 ... 2254,0	MHz	32,5	35,0	—	dB
	2254,0 ... 3000,0	MHz	15,0	17,0	—	dB



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Transfer function (spec for 25° C)

