SAW Mobile Communications

Series/Type: B7777

The following products presented in this data sheet are being withdrawn.

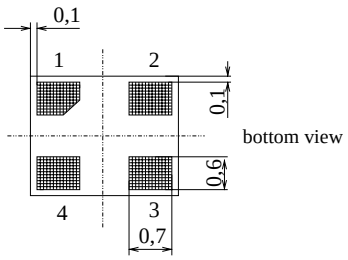
Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39202B7777C810	B39202B9031E910	06.07.2007	31.01.2008	30.04.2008

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

Chip sized SAW package

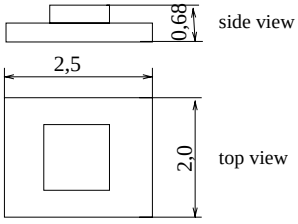
Features

- Low-loss RF filter for W-CDMA mobile telephone system, transmit path
- High stopband attenuation
- Usable passband 60 MHz
- Unbalanced/unbalanced operation
- Package size: 2 mm x 2.5 mm (4 pin, diagonal pinning)



Terminals

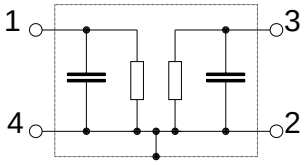
- Ni, gold-plated Data Sheet



Dimensions in mm, approx weight 0,012g

Pin configuration

1	Input
3	Output
2,4	Ground



Type	Ordering code	Marking and Package according to	Packing according to
B7777	B39202-B7777-C810	C61157-A7-A118	F61074-V8153-Z000

Electrostatic **S**ensitive **D**evice (**ESD**)

Maximum ratings

Operable temperature range	T	– 20 / + 85	˚C	
Storage temperature range	T_{stg}	– 40 / + 85	˚C	
DC voltage	V_{DC}	3	V	
Source power	P_s	10	dBm	source impedance 50 Ω

Characteristics

Operating temperature range: T = +25 °C ± 2 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		min.	typ.	max.	
Center frequency	f_C	—	1950,0	—	MHz
Maximum insertion attenuation	α_{max}				
1920,0 ... 1980,0 MHz		—	2,2	2,5	dB
Ripple	p-p				
1920,0 ... 1980,0 MHz		—	1,0	1,2	dB
Input VSWR					
1920,0 ... 1980,0 MHz		—	1,9	2,1	
Output VSWR					
1920,0 ... 1980,0 MHz		—	1,9	2,1	
Attenuation	α				
0,0 ...1670,0 MHz		26	28	—	dB
1670,0 ...1720,0 MHz		29	31	—	dB
1720,0 ...1750,0 MHz		30	32	—	dB
1750,0 ...1880,0 MHz		31	33	—	dB
2025,0 ...2050,0 MHz		35	45	—	dB
2110,0 ...2170,0 MHz		34	36	—	dB
2300,0 ...2490,0 MHz		34	36	—	dB
2490,0 ...2740,0 MHz		35	38	—	dB
2740,0 ...3960,0 MHz		30	33	—	dB
3960,0 ...6000,0 MHz		15	21	—	dB

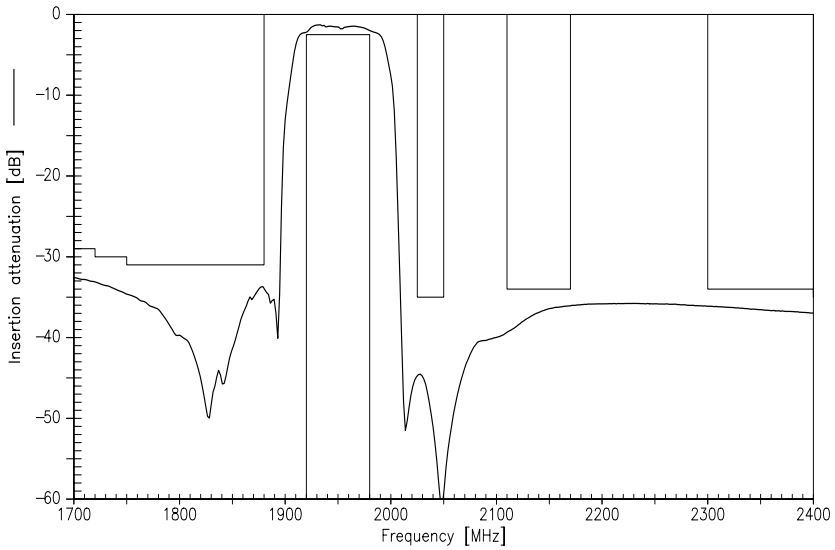
Data Sheet SMD

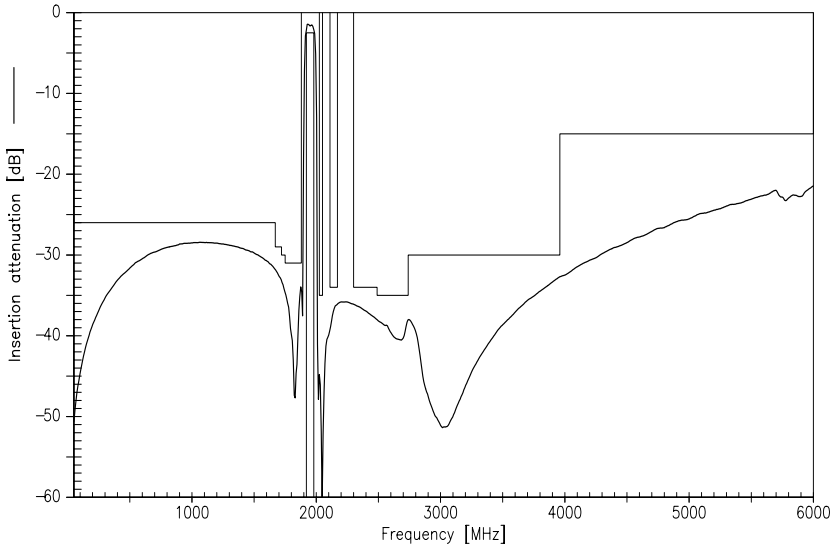
Characteristics

Operating temperature range: T = -20 to +85 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		min.	typ.	max.	
Center frequency	f_C	—	1950,0	—	MHz
Maximum insertion attenuation	α_{max}				
1920,0 ... 1980,0 MHz		—	2,4	2,8	dB
Ripple	p-p				
1920,0 ... 1980,0 MHz		—	1,0	1,6	dB
Input VSWR					
1920,0 ... 1980,0 MHz		—	2,0	2,2	
Output VSWR					
1920,0 ... 1980,0 MHz		—	2,0	2,2	
Attenuation	α				
0,0 ...1670,0 MHz		26	28	—	dB
1670,0 ...1720,0 MHz		29	31	—	dB
1720,0 ...1750,0 MHz		30	32	—	dB
1750,0 ...1880,0 MHz		31	33	—	dB
2025,0 ...2050,0 MHz		35	45	—	dB
2110,0 ...2170,0 MHz		34	36	—	dB
2300,0 ...2490,0 MHz		34	36	—	dB
2490,0 ...2740,0 MHz		35	38	—	dB
2740,0 ...3960,0 MHz		30	33	—	dB
3960,0 ...6000,0 MHz		15	21	—	dB

Transfer function (spec for 25˚C ± 2 ˚C):





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This brochure replaces the previous edition.

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Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.