Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

SAW filters for mobile communications

Series/Type: B7754

The following products presented in this data sheet are being withdrawn.

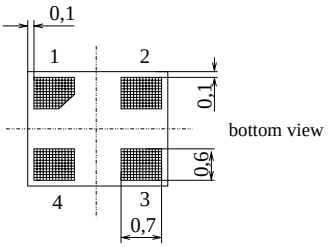
Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39202B7754C810	B39202B9031E910	2008-03-14	2008-08-31	2008-10-15

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 DCS4D

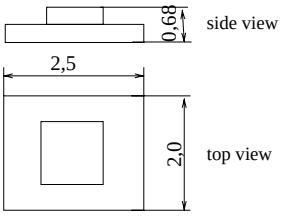
Features

- 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

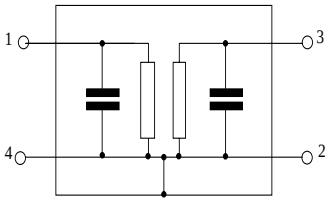
- Ni, gold-plated



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
B7754	B39202-B7754-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

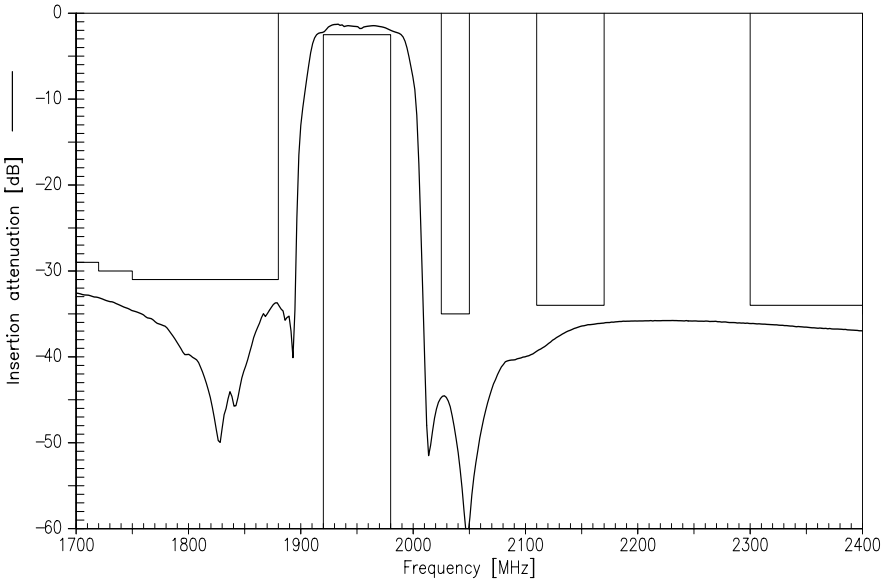
		min.	typ.	max.	
Center frequency	f_C	—	1950,0	—	MHz
Maximum insertion attenuation	α_{max}				
1920,0 ... 1980,0 MHz		—	2,2	2,5	dB
Ripple	p-p				
1920,0 ... 1980,0 MHz		—	1,0	1,2	dB
Input VSWR					
1920,0 ... 1980,0 MHz		—	1,9	2,1	
Output VSWR					
1920,0 ... 1980,0 MHz		—	1,9	2,1	
Attenuation	α				
0,0 ...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

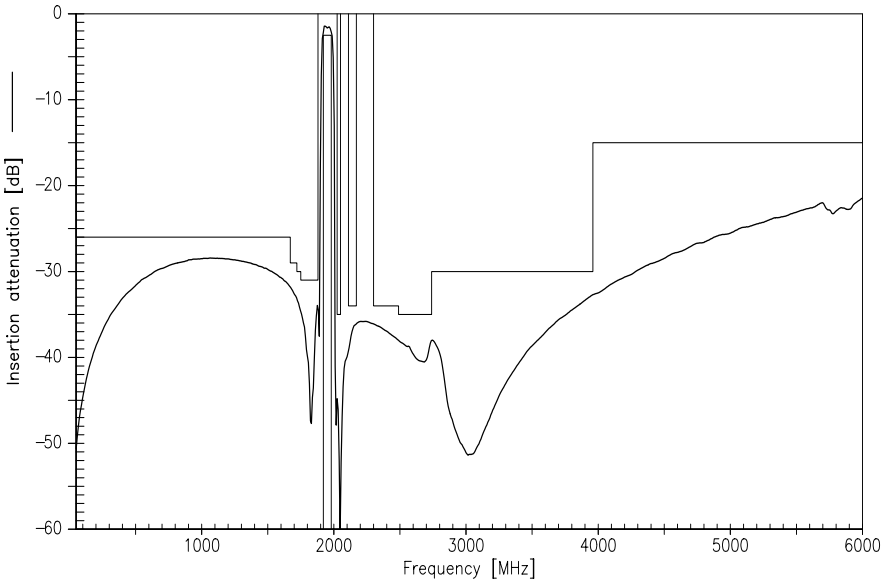
Characteristics

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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The information contained in this brochure describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

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