



SAW Components

Preliminary Data LF25A

Data Sheet

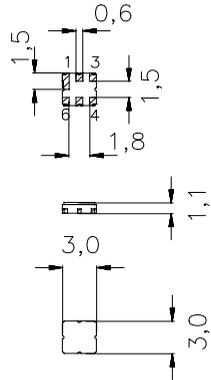



 Ceramic package **DCC6C**
Features

- Low-loss RF filter for mobile telephone TD-SCDMA system
- Low amplitude ripple
- Usable passband 15 MHz
- No matching network required for operation at 50 Ω
- Ceramic Package for Surface Mounted Technology (SMT)

Terminals

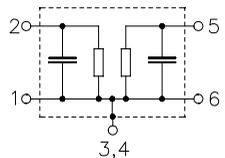
- Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

Pin configuration

2	Input
1	Input - ground
5	Output
6	Output - ground
3,4	Case ground



Type	Ordering code	Marking and Package according to	Packing according to
LF25A		C61157-A7-A67	F61074-V8088-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 20 / +55	°C	
Storage temperature range	T_{stg}	- 40 / +85	°C	
DC voltage	V_{DC}	3	V	
ESD voltage	V_{ESD}	50	V	

Preliminary Data

Characteristics

Operating temperature range:	$T = 25 \pm 2 \text{ }^\circ\text{C}$
Terminating source impedance:	$Z_S = 50 \text{ } \Omega$
Terminating load impedance:	$Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	2017,5	—	MHz
Maximum insertion attenuation	α_{\max}				
2010,0 ... 2025,0 MHz		—	2,4	3,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
2010,0 ... 2025,0 MHz		—	0,2	0,5	dB
Input VSWR					
2010,0 ... 2025,0 MHz		—	1,4	1,6	
Output VSWR					
2010,0 ... 2025,0 MHz		—	1,8	2,0	
Attenuation	α				
0,0 ... 1840,0 MHz		29	32	—	dB
1840,0 ... 1980,0 MHz		17	19	—	dB
1980,0 ... 1995,0 MHz		5	9	—	dB
2040,0 ... 2095,0 MHz		9	11	—	dB
2095,0 ... 2120,0 MHz		17	19	—	dB
2120,0 ... 2160,0 MHz		21	23	—	dB
2160,0 ... 2385,0 MHz		31	33	—	dB
2385,0 ... 2410,0 MHz		32	35	—	dB
2410,0 ... 4000,0 MHz		22	26	—	dB
4000,0 ... 6000,0 MHz		10	15	—	dB

SAW Components	LF25A
Low-Loss Filter for Mobile Communication	2017,5 MHz

Preliminary Data

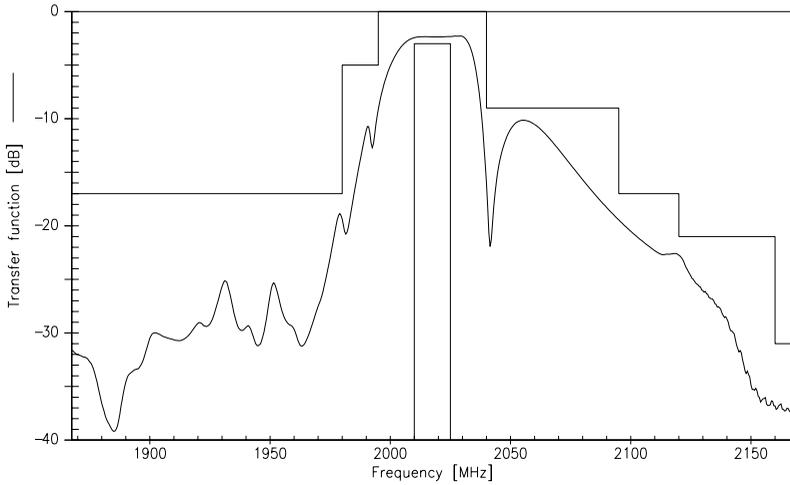
Characteristics

Operating temperature range: $T = -20 \text{ to } +55^\circ \text{C}$
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

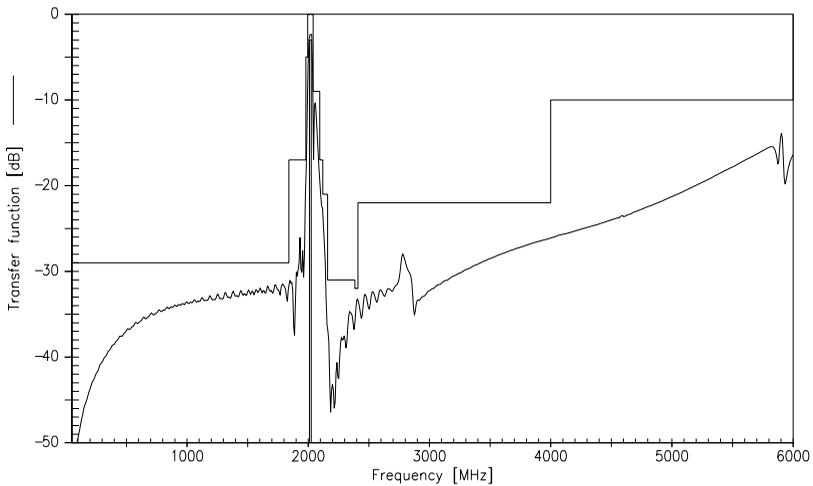
		min.	typ.	max.	
Center frequency	f_c	—	2017,5	—	MHz
Maximum insertion attenuation	α_{\max}				
2010,0 ...2025,0	MHz	—	2,7	3,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
		—	0,4	1,0	dB
Input VSWR					
2010,0 ...2025,0	MHz	—	1,4	1,7	
Output VSWR					
2010,0 ...2025,0	MHz	—	1,8	2,1	
Attenuation	α				
0,0 ...1840,0	MHz	29	32	—	dB
1840,0 ...1980,0	MHz	16	19	—	dB
1980,0 ...1995,0	MHz	4	7	—	dB
2040,0 ...2095,0	MHz	5	9	—	dB
2095,0 ...2120,0	MHz	14	18	—	dB
2120,0 ...2160,0	MHz	21	23	—	dB
2160,0 ...2385,0	MHz	31	33	—	dB
2385,0 ...2410,0	MHz	32	35	—	dB
2410,0 ...4000,0	MHz	22	26	—	dB
4000,0 ...6000,0	MHz	10	15	—	dB



Transfer function



Transfer function (wideband)





Published by EPCOS AG

Surface Acoustic Wave Components Division, SAW MC WT

P.O. Box 80 17 09, D-81617 München

© EPCOS AG 2000. All Rights Reserved. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

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.