EPCOS

SAW Components

Data Sheet B3832

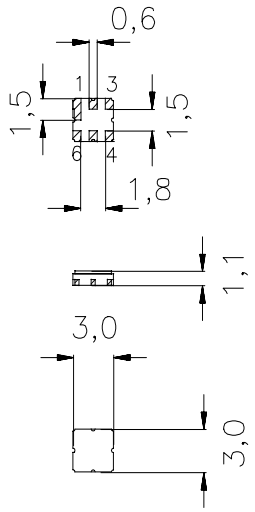
Ceramic package DCC6C

Features

- Low-loss filter GSM 1800 Rx
- Usable bandwidth 75 MHz
- No matching required for operation at 50 Ω
- Package for Surface Mounted Technology (SMT)
- Hermetically sealed ceramic package
- RoHs compatible

Terminals

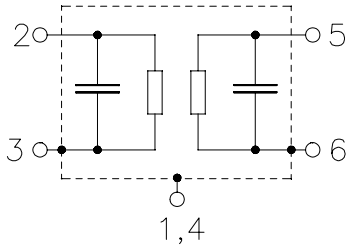
- Gold-plated



typ. Dimensions in mm, approx. weight 0,05 g

Pin configuration

2	Input
5	Output
1, 3, 4, 6	To be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B3832	B39172-B3832-U410	C61157-A7-A67	F61074-V8168-Z000

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

Maximum ratings

Operable temperature range	T_A	-40 / +85	˚C	
Storage temperature range	T_{stg}	-40 / +85	˚C	
DC voltage	V_{DC}	0	V	
ESD voltage	V^*_{ESD}	50*	V	Machine Model, 10 pulses
Input power at 1710 ... 1785 MHz	P_{IN}	0	dBm	continuous wave, 2000 hours, 70˚C
		5	dBm	continuous wave, 1 hour, 70˚C

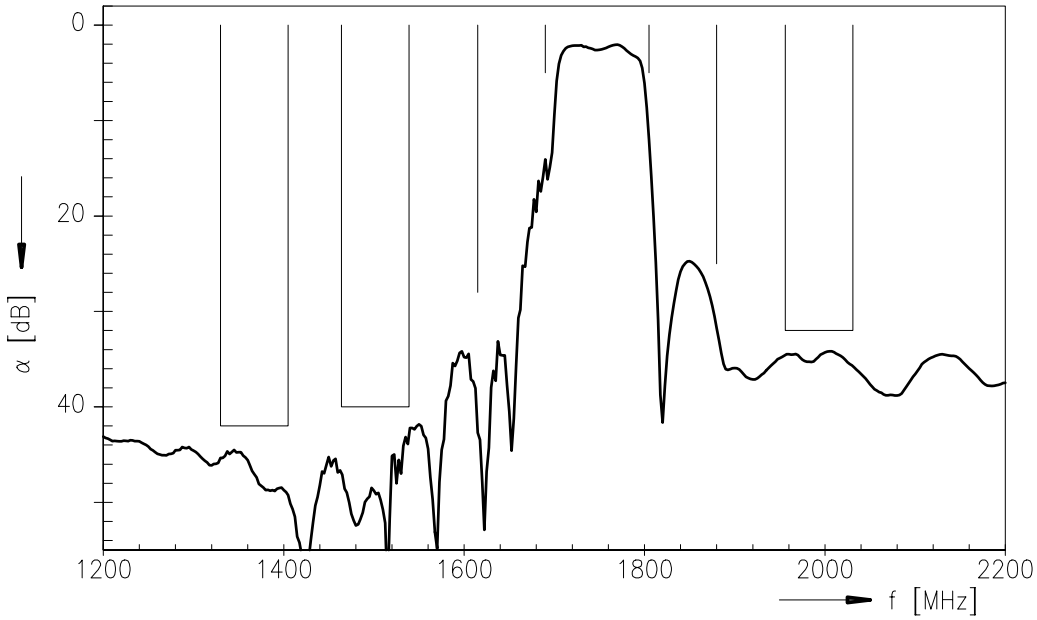
*-acc. to JESD22-A115A (Machine Model), 10 negative & 10 positive pulses

Characteristics

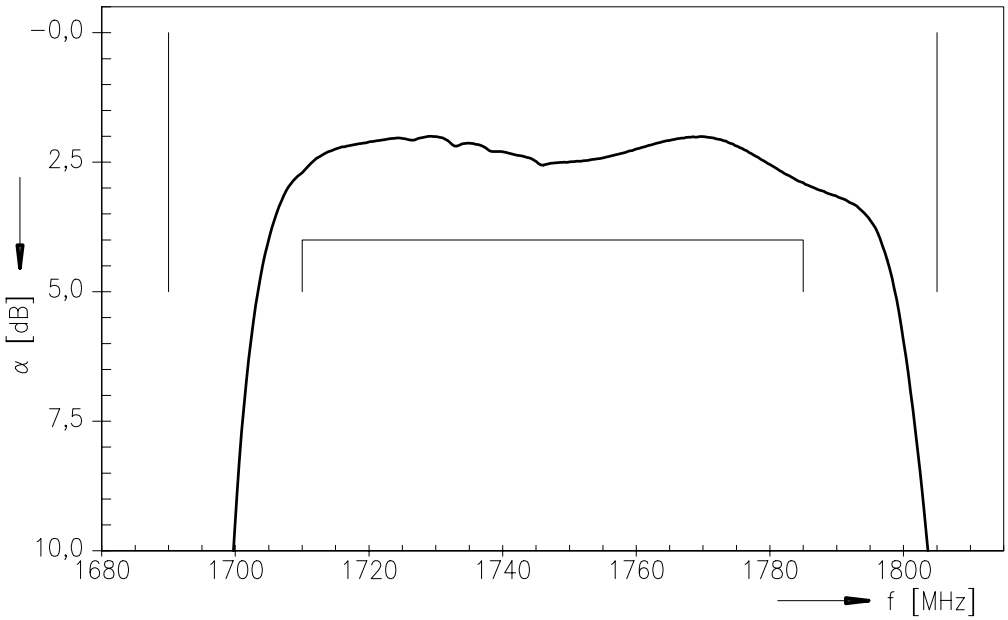
Operating temperature range: T_A = -0 ... +70 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		min.	typ.	max.	
Nominal frequency	f_N	—	1747,5	—	MHz
Maximum insertion attenuation	α_{max}				
1710,0 MHz ... 1785,0 MHz		—	3,1	4,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
1710,0 MHz ... 1785,0 MHz		—	1,1	2,0	dB
VSWR					
1710,0 MHz ... 1785,0 MHz		—	2,2	3,0	
Absolute attenuation	α_{abs}				
1330,0 MHz ... 1405,0 MHz		42	45	—	dB
1464,0 MHz ... 1539,0 MHz		40	43	—	dB
1615,0 MHz		28	35	—	dB
1690,0 MHz		5	12	—	dB
1805,0 MHz		5	14	—	dB
1880,0 MHz		25	32	—	dB
1956,0 MHz ... 2031,0 MHz		32	34	—	dB
Temperature coefficient of frequency	TC_f	—	– 36	—	ppm/K

Transfer function



Transfer function (passband)



Published by EPCOS AG
Surface Acoustic Wave Components Division, SAW COM WT PD
P.O. Box 80 17 09, D-81617 München

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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.