



SAW Components

Data Sheet B7828





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Low-Loss Filter for Mobile Communication

1489,0 MHz

Data Sheet



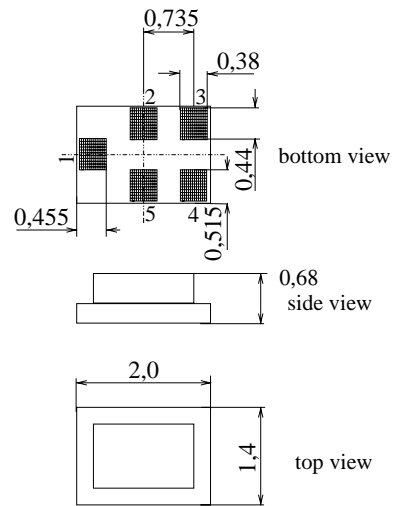
Chip sized SAW package

Features

- Low-loss RF filter for PDC system, receive path
- Small insertion attenuation
- Low amplitude ripple
- Package for Surface Mounted Technology (SMT)
- Chip Sized SAW Package (CSSP)

Terminals

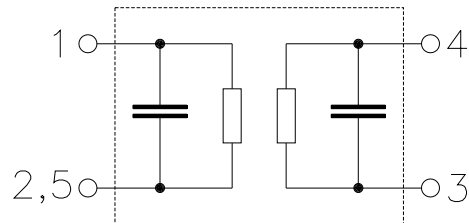
- Gold-plated Ni



Dimensions in mm, approx. weight 0,007 g

Pin configuration

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



Type	Ordering code	Marking and Package according to	Packing according to
B7828	B39152-B7828-C710	C61157-A7-A111	F61074-V8151-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operating temperature range	T	- 20/+ 85	°C	duty cycle 1:3, source and load impedance 50 Ω
Storage temperature range	T_{stg}	- 40/+ 85	°C	
DC voltage	V_{DC}	3	V	
Source power	P_S	13	dBm	



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Characteristics

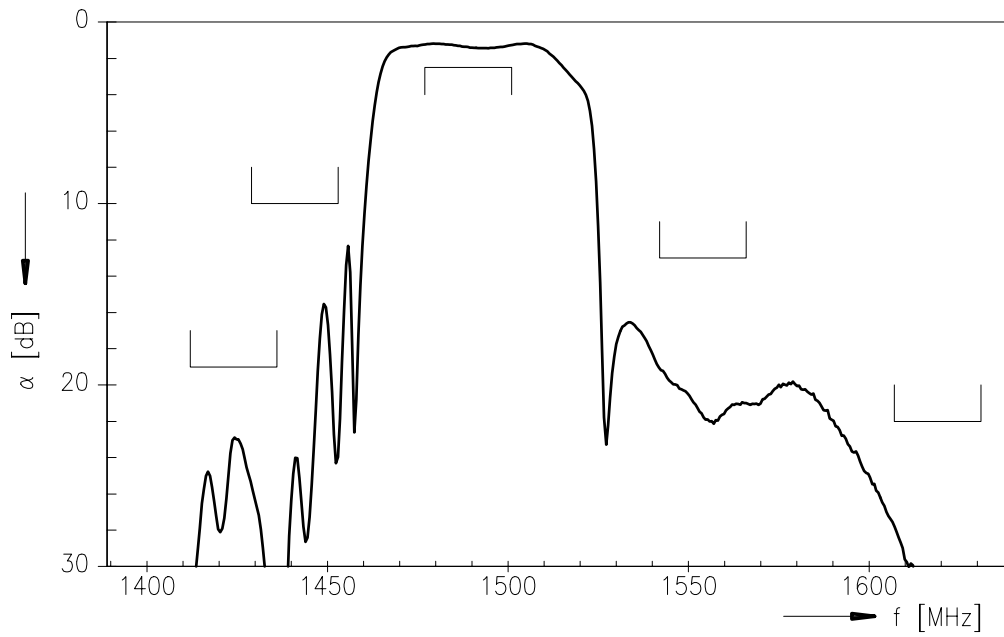
Operating temperature range: $T = -20$ to $+85$ °C
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

		min.	typ.	max.	
Center frequency	f_C	—	1489,0	—	MHz
Maximum insertion attenuation	α_{max}				
	1477,0 ... 1501,0 MHz	—	1,4	2,5	dB
	1477,0 ... 1501,0 MHz*)	—	1,4	1,9	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
	1477,0 ... 1501,0 MHz	—	0,3	1,0	dB
Absolute attenuation	α				
	1217,0 ... 1241,0 MHz	30	36	—	dB
	1217,0 ... 1241,0 MHz*)	32	36	—	dB
	1347,0 ... 1371,0 MHz	25	30	—	dB
	1412,0 ... 1436,0 MHz	19	23	—	dB
	1429,0 ... 1453,0 MHz	10	15	—	dB
	1542,0 ... 1566,0 MHz	13	18	—	dB
	1607,0 ... 1631,0 MHz	22	27	—	dB
	1737,0 ... 1761,0 MHz	28	33	—	dB

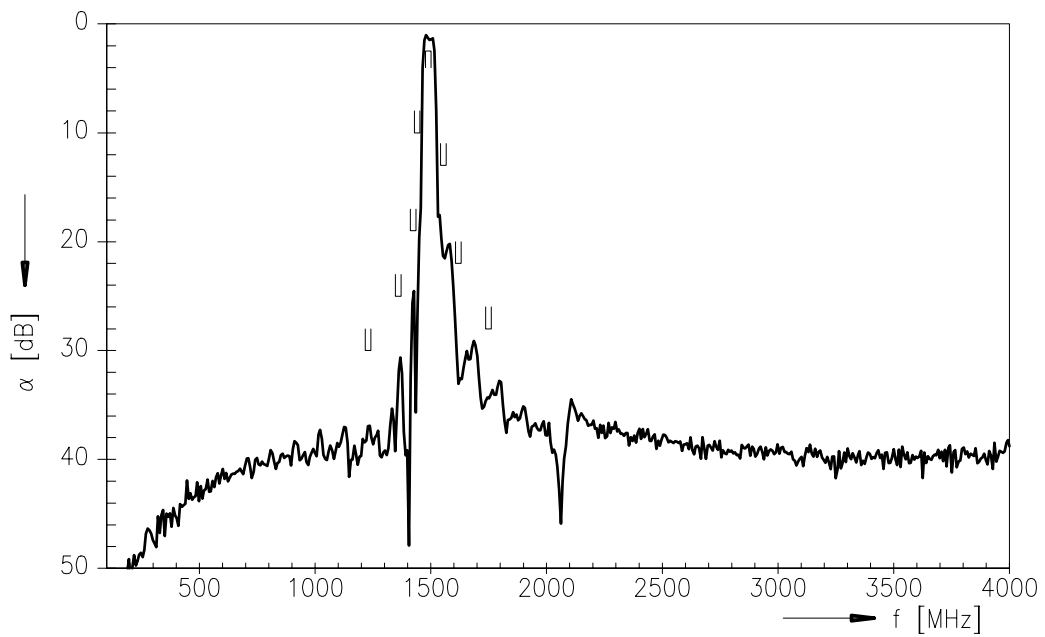
*) $T = 25$ °C



Transfer function (pass band) :



Transfer function :





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