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SAW Components

Data Sheet B7828

Data Sheet

EP



SAW Components

B7828

Low-Loss Filter for Mobile Communication

1489,0 MHz

Data Sheet



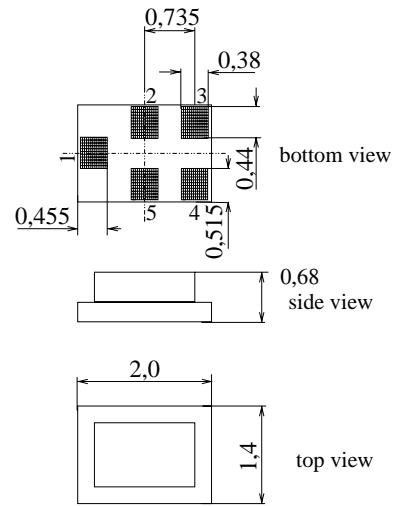
Chip sized SAW package

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

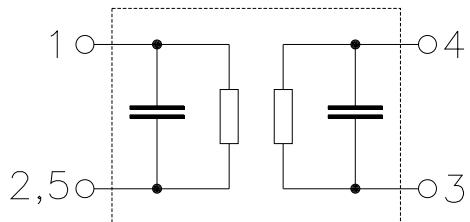
- Gold-plated Ni



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

**SAW Components****B7828****Low-Loss Filter for Mobile Communication****1489,0 MHz****Data Sheet****Characteristics**Operating temperature range: $T = -20$ to $+85$ °CTerminating 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



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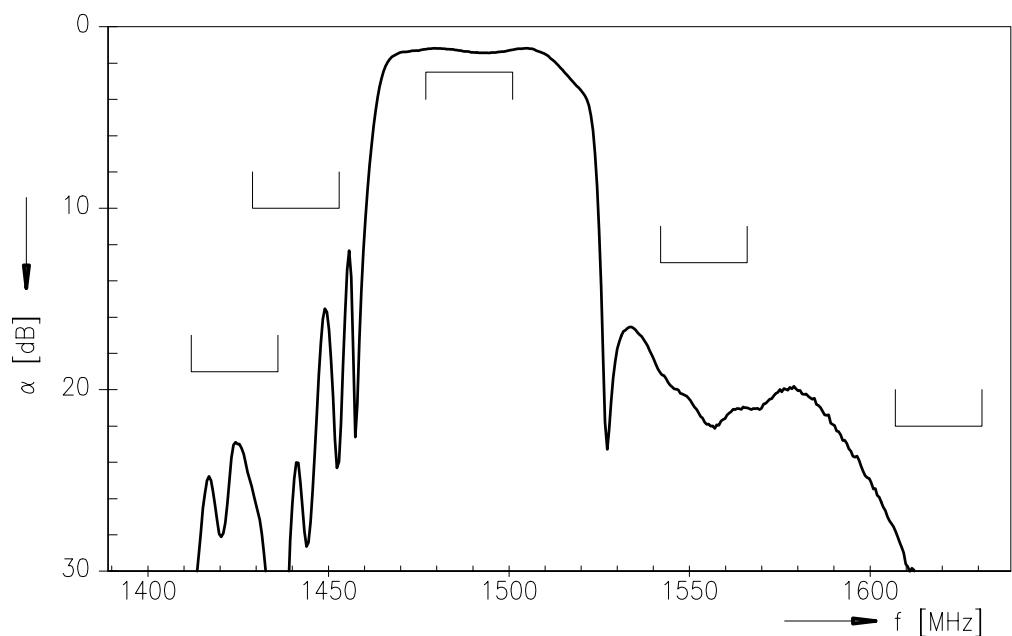
Low-Loss Filter for Mobile Communication

1489,0 MHz

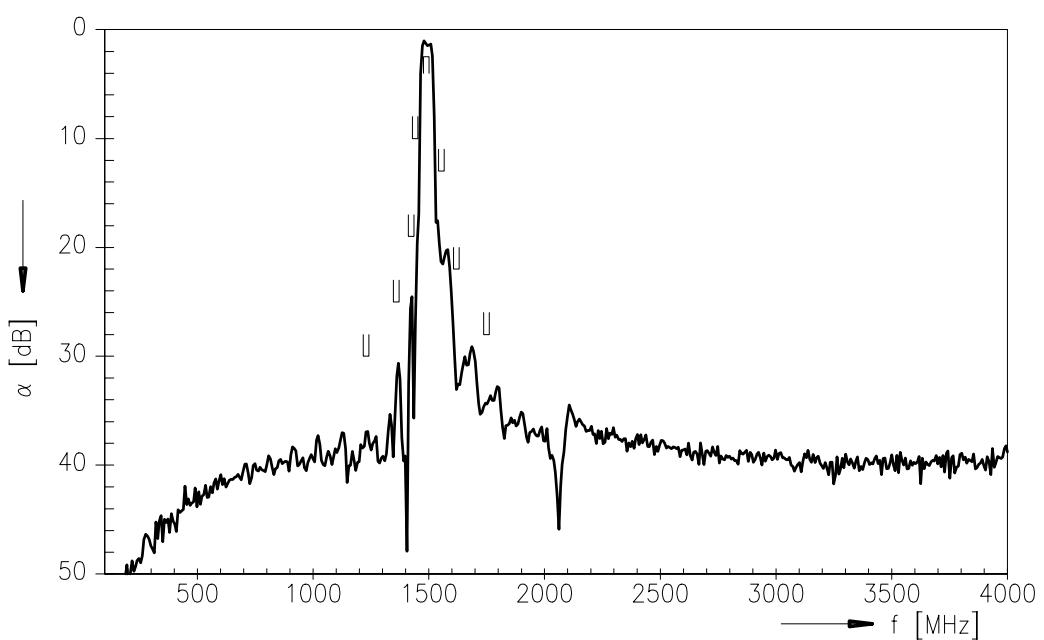
Data Sheet



Transfer function (pass band) :



Transfer function :





SAW Components	B7828
Low-Loss Filter for Mobile Communication	1489,0 MHz
Data Sheet	The logo for Surface Mount Device (SMD), consisting of the letters "SMD" in a stylized, blocky font.

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