

Data Sheet B7807





B7807

Low-Loss Filter for Mobile Communication

1855,00 MHz

Data Sheet

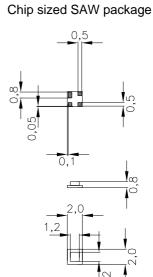


Features

- Low-loss RF filter for mobile telephone Korean PCS systems, receive path
- Usable passband 30 MHz
- \blacksquare 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 0,01 g

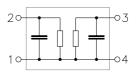
Pin configuration

2 Input

1 Input - ground

3 Output

4 Output - ground



Туре	Ordering code	Marking and Package	Packing
		according to	according to
B7807	B39192-B7807-A510	C61157-A7-A63	F61074-V8099-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 30/+ 85	°C	
Storage temperature range	$T_{ m stg}$	- 40/+ 85	°C	
DC voltage	$V_{\rm DC}$	0	V	
Input power max.	$P_{\rm INI}$	10	dBm	CDMA signal



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Characteristics

T = +25 +- 2°C Z_S = 50 Ω Z_L = 50 Ω Operating temperature range: Terminating source impedance: Terminating load impedance:

				min.	typ.	max.	
Center frequency			f _c	_	1855,0		MHz
Maximum insertion attenuation 1840,01870,0 MHz			α_{max}	_	2,7	3,1	dB
Amplitude ripple (p-p) 1840,	01870,0	MHz	Δα	_	0,8	1,1	dB
VSWR 1840,	01870,0	MHz		_	2,1	2,4	
Attenuation 1440, 1750, 1930, 2240,	01780,0 01960,0	MHz MHz MHz MHz	α (Tx)	25,0 22,0 27,0 30,0	27,0 24,0 34,0 38,0	_ _ _ _	dB dB dB dB



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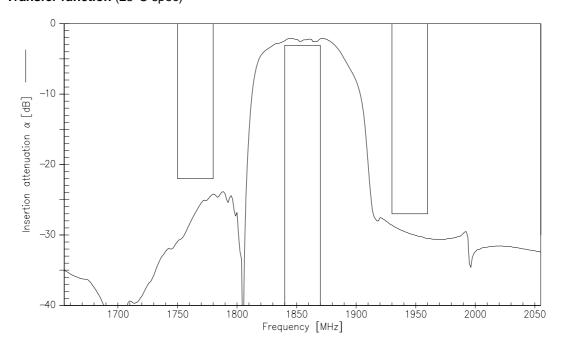
SAW Components B7807

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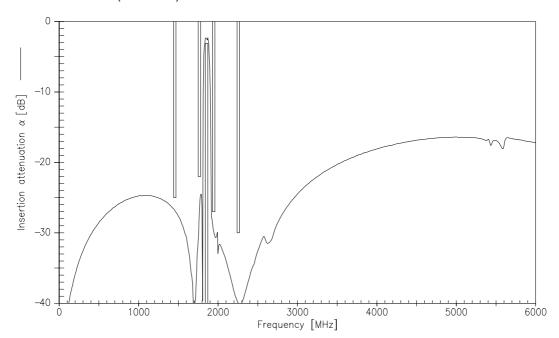
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Transfer function (25°C spec)



Transfer function (wideband)





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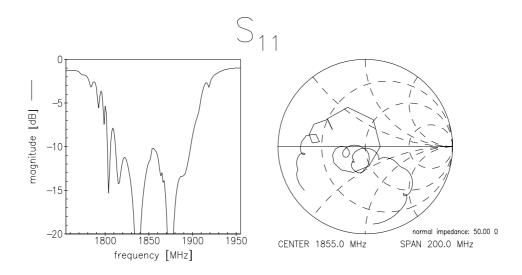
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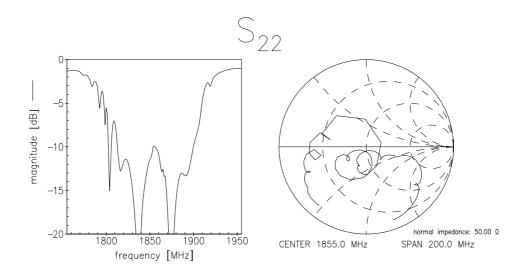
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Reflection functions







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Published by EPCOS AG Surface Acoustic Wave Components Division, OFW E MF P.O. Box 80 17 09, D-81617 München

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