

Data Sheet B7806





B7806

Low-Loss Filter for Mobile Communication

1765,00 MHz

Data Sheet

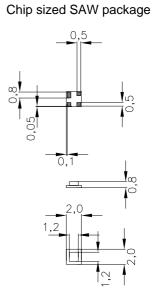


Features

- Low-loss RF filter for mobile telephone Korean PCS systems, transmit 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

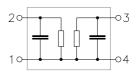
Pin configuration

2 Input

1 Input - ground

3 Output

4 Output - ground



Туре	Ordering code	Marking and Package	Packing
		according to	according to
B7806	B39182-B7806-A510	C61157-A7-A63	F61074-V8099-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 30/+ 85	°C	
Storage temperature range	T_{stg}	- 40/+ 85	°C	
DC voltage	$V_{\rm DC}$	0	V	
Input power max.	P_{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	_	1765,0	_	MHz
Maximum insertion attenuation 1750,01780,0 MH	$lpha_{ extsf{max}}$ z	_	2,7	3,0	dB
Amplitude ripple (p-p) 1750,01780,0 MH	$\Delta lpha$	_	0,8	1,0	dB
VSWR 1750,01780,0 MH	z	_	1,9	2,0	
Attenuation 1350,01380,0 MH 1660,01690,0 MH 1840,01870,0 MH 2150,02180,0 MH	z z (Rx)	26,0 22,0 30,0 27,0	28,0 23,0 34,0 29,0	_ _ _ _	dB dB dB dB



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Characteristics

Operating temperature range:

 $T = -30 \text{ to } +85^{\circ}\text{C}$ $Z_{\text{S}} = 50 \Omega$ $Z_{\text{L}} = 50 \Omega$ Terminating source impedance: Terminating load impedance:

			min.	typ.	max.	
Center frequency		f _C	_	1765,0	_	MHz
Maximum insertion attenuation 1750,017	80,0 MHz	α_{max}	_	2,7	3,1	dB
Amplitude ripple (p-p) 1750,017	80,0 MHz	Δα	_	0,8	1,1	dB
VSWR 1750,017	80,0 MHz		_	1,9	2,1	
Attenuation 1350,013 1660,016 1840,018 2150,021	70,0 MHz	(Rx)	26,0 22,0 30,0 27,0	28,0 23,0 34,0 29,0	_ _ _ _	dB dB dB dB

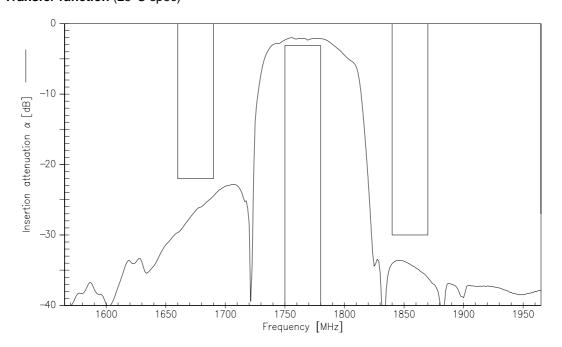


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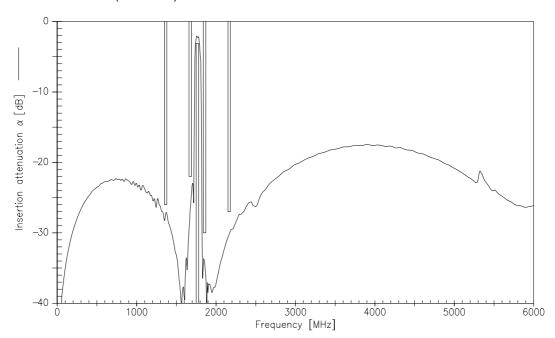
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Transfer function (25°C spec)

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Transfer function (wideband)





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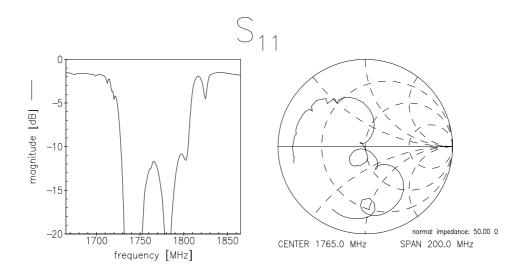
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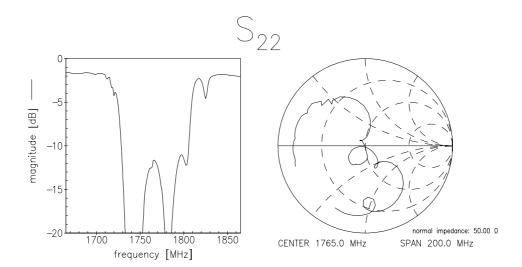
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Reflection functions







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