

SAW Components

SAW filter

Series/type: Ordering code: B3668 B39202B3668U410

Date: Version: Jan 29, 2009

*Appendix to Data sheet (Specifications for Huawei)

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	B3668
	1950.00 MHz
SMD	

Characteristics

SAW filter

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Appendix to Data sheet

Temperature range for specification: Terminating source impedance: Terminating load impedance:

-40 °C to +85 °C Т = 50 Ω Ζs = $Z_L =$ 50 Ω

	min.	typ.	max.	
		@ 25 °C		
Center frequency f _C	-	1950.0	—	MHz
Maximum insertion attenuation α_{max}				
1920.0 1980.0 MHz	_	3.0	3.5	dB
Amplitude ripple (p-p) $\Delta \alpha$				
1920.0 1980.0 MHz	_	1.5	2.1	dB
Return Loss				
1920.0 1980.0 MHz	8.0	10.0	_	dB
A //				
Attenuation α 50.0 1400.0 MHz	22.0	25.0		dD
	22.0 25.0	25.0 28.0		dB dB
		31.0		dВ
	28.0 30.0			dВ
1700.0 1870.0 MHz 1870.0 1880.0 MHz	20.0 ¹)	34.0 30.0		dВ
	10.0 ²)	23.0		dВ
1880.0 1888.0 MHz 1888.0 MHz	10.0 ² /	23.0		dВ
1900.0 MHz	4.5 ³⁾	8.4		dВ
2000.0 MHz	4.0 ⁴)	6.4 6.2		dВ
2000.0 MHz 2000.0 2015.0 MHz	3.5	6.0		dB
	7.5 ²⁾	17.0		dB
2012.0 2015.0 MHz 2015.0 2030.0 MHz	8.0	20.0		dВ
2030.0 2050.0 MHz	35.0	45.0		dB
2050.0 2050.0 MHz 2050.0 2080.0 MHz	33.0	37.0		dB
2080.0 2170.0 MHz	30.0	34.0		dB
2170.0 5000.0 MHz	25.0	30.0		dB
5000.0 5720.0 MHz	10.0	12.0		dB
5720.0 6000.0 MHz	8.0	10.0		dB
	0.0			
Temperature coefficient of frequency TC _f	—	-35		ppm/K

¹⁾ min. 15dB (T > 45 °C)

2) valid for temperature range of -20 °C to +85 °C
3) valid for temperature range of -10 °C to +80 °C
4) valid for temperature range of 0 °C to +80 °C



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Maximum ratings

Operable temperature range	Т	-40/+85	°C	
Storage temperature range	T _{stg}	-40/+85	°C	
DC voltage	V _{DC}	5	V	
ESD voltage	V_{ESD}	50 ¹⁾	V	machine model, 1 pulse
Input power at				
1884.5 1919.6 MHz	P _{IN}	19.0	dBm	Duty cycle 4:8 (100 hrs)
1884.5 1919.6 MHz	P _{IN}	11.0	dBm	Duty cycle 4:8 (10,000 hrs)
2000.0 2020.0 MHz	P _{IN}	10.0	dBm	CW

¹⁾ acc. to JESD22-A115A (machine model), 1 negative & 1 positive pulse.

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Jan 29, 2009



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