

SAW Components

SAW filter

Series/type: B3668

Ordering code: B39202B3668U410

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Version:

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^{*}Appendix to Data sheet (Specifications for Huawei)



SAW Components B3668 **SAW** filter 1950.00 MHz

Appendix to Data sheet

SMD

Characteristics

Temperature range for specification: -40 °C to +85 °C

Terminating source impedance: 50 Ω Terminating load impedance: $50\,\Omega$

	min.	typ. @ 25 °C	max.	
Center frequency f _C	_	1950.0	_	MHz
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		1.0	۷.۱	uD
1920.0 1980.0 MHz	8.0	10.0		dB
	0.0	10.0		
Attenuation α				
50.0 1400.0 MHz	22.0	25.0	_	dB
1400.0 1495.0 MHz	25.0	28.0		dB
1495.0 1700.0 MHz	28.0	31.0		dB
1700.0 1870.0 MHz	30.0	34.0		dB
1870.0 1880.0 MHz	20.01)	30.0		dB
1880.0 1888.0 MHz	10.02)	23.0		dB
1888.0 MHz	10.5 ³⁾	23.2	_	dB
1900.0 MHz	4.53)	8.4	_	dB
2000.0 MHz	4.04)	6.2	_	dB
2000.0 2015.0 MHz	3.5	6.0	_	dB
2012.0 2015.0 MHz	7.52)	17.0	_	dB
2015.0 2030.0 MHz	8.0	20.0	_	dB
2030.0 2050.0 MHz	35.0	45.0	_	dB
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
Temperature coefficient of frequency TC	f —	-35		ppm/K

¹⁾ min. 15dB (T > 45 $^{\circ}$ 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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Appendix to Data sheet



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.

For further information please contact your local EPCOS sales office or visit our webpage at www.epcos.com .

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