查询"B39461B3590Z810"供应商



SAW Components

SAW filter Short range devices

Series/type: Ordering code:

B3590 B39461B3590Z810

Date: Version: November 09, 2007 2.0

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SAW Components		B3590
SAW filter		460.00 MHz
Data sheet	SMD	

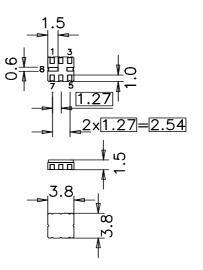
Application

- Low-loss RF filter for meter reading
- Unbalanced to unbalanced operation
- No matching network required for operation at 50 Ω



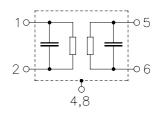
Features

- Package size 3.8 x 3.8 x 1.5 mm³
- Package code QCC8B
- RoHS compatible
- Approximate weight 0.07 g
- Package for Surface Mount Technology (SMT)
- Ni, gold-plated terminals
- Lead free soldering compatible with J STD20C
- Passivation layer ELPAS
- AEC-Q200 qualified component family
- Electrostactic Sensitive Device (ESD)



Pin configuration

- 2 Input
- 6 Output
- 1,3,5,7 To be grounded
- 4,8 Case ground



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November 09, 2007

2



SAW Components SAW filter				46	B3590 0.00 MHz
Data sheet	SM				
Characteristics					
Temperature range for specification: Terminating source impedance: Terminating load impedance:	T _A = Z _S = Z _L =		+85 °C		
		min.	typ. @ 25 °C	max.	
Center frequency	f _C	_	460.0		MHz
Maximum insertion attenuation 450.0 470.0 M	α _{max} 1Hz	_	2.0	3.5 ¹⁾	dB
Amplitude ripple (p-p) 450.0 470.0 N	Δα 1Hz	_	0.7	2.7 ²⁾	dB
Input return loss 450.0 470.0 M	1Hz	10.0	14.5	_	dB
Output return loss 450.0 470.0 N	1Hz	10.0	17.5	_	dB
300.0 380.0 M 380.0 430.0 M 504.825 524.825M 559.65 579.65 M		30 24 15 12 28 24	42 34 23 32 41 37	 	dB dB dB dB dB dB

¹⁾ 2.2 dB at 25 °C; 3.2 dB for −30 °C to +60 °C ²⁾ 1.4 dB at 25 °C; 2.4 dB for −30 °C to +60 °C

Maximum ratings

Operable temperature range	T _A	-45/+125	°C	
Storage temperature range	T _{stg}	-45/+125	°C	
DC voltage	V _{DC}	5	V	
ESD voltage	V _{ESD}	100 ¹⁾	V	machine model, 10 pulses
Input Power at	-			
450.0 470.0 MHz	P _{IN}	10	dBm	continuous wave

3

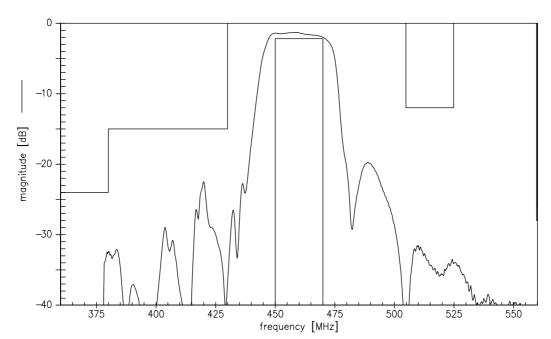
¹⁾ acc. to JESD22-A115A (machine model), 10 negative & 10 positive pulses.

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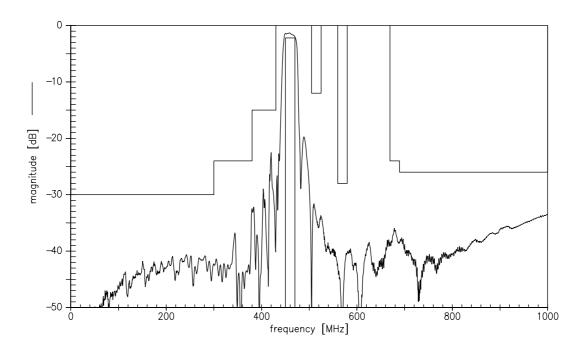




Transfer function (narrowband)



Transfer function (wideband)

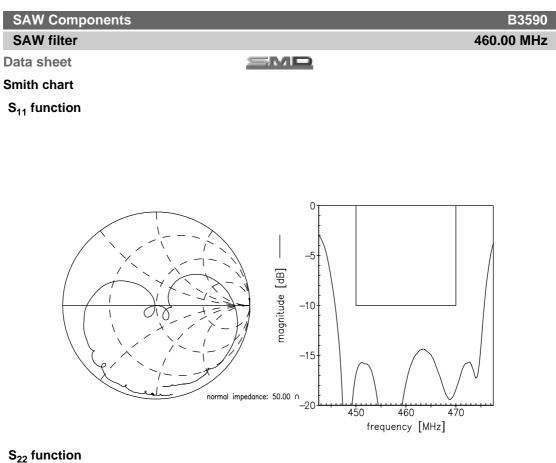


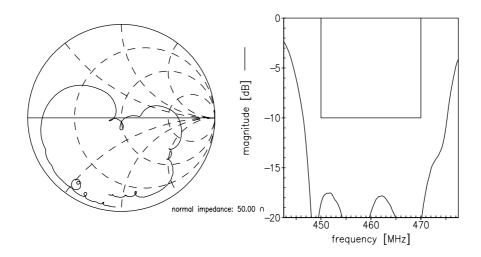
4

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November 09, 2007







5

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November 09, 2007



SAW Components	B3590
SAW filter	460.00 MHz
Data sheet	

References

Туре	B3590
Ordering code	B39461B3590Z810
Marking and package	C61157-A7-A46
Packaging	F61074-V8167-Z000
Date codes	L_1126
S-parameters	B3590_NB.s2p B3590_WB.s2p
Soldering profile	S_6001
RoHS compatible	defined as compatible with the following documents: "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment. 2005/618/EC from April 18th, 2005, amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maxi- mum concentration values for certain hazardous substances in electrical and electronic equipment."

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6

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November 09, 2007



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