



SAW Components

SAW filter Short range devices

Series/type: Ordering code:

B3716 B39871B3716U410

Date: Version: September 21, 2009 2.2

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查询"B3716_1"供应商



SAW Components		B3716
SAW filter		869.00 MHz
Data sheet	SMD	

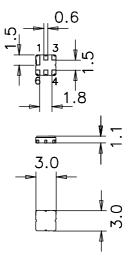
Application

- Low-loss RF filter for remote control receivers
- No matching network required for operation at 50 Ω



Features

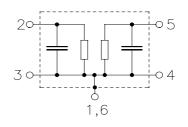
- Package size 3.0 x 3.0 x 1.1 mm³
- Package code DCC6C
- RoHS compatible
- Approximate weight 0.037 g
- Package for Surface Mount Technology (SMT)
- Ni, gold-plated terminals
- Lead free soldering compatible with J STD20C
- Passivation layer Elpas
- AEC-Q200 qualified component family
- Electrostatic Sensitive Device (ESD)



Pin configuration

■ 2	Input
■ 5	Output

■ 1,3,4,6 Ground



Please read *cautions and warnings and important notes* at the end of this document.

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SAW ComponentsB3716SAW filter869.00 MHz					
Data sheet	=M				
Characteristics					
Reference temperature:T= $25 ^{\circ}C$ Terminating source impedance: $Z_S = 50 \Omega$ Terminating load impedance: $Z_L = 50 \Omega$					
		min.	typ.	max.	
Center frequency	f _C	—	869.00		MHz
Maximum insertion attenuation 868.00 870.00 MHz	α_{max}	_	2.5	3.0	dB
Amplitude ripple (p-p) 868.00 870.00 MHz	Δα	_	0.3	0.7	dB
Attenuation 10.00 838.00 MHz 838.00 856.40 MHz 856.40 858.50 MHz 880.00 883.00 MHz 883.00 883.00 MHz 883.00 893.00 MHz 893.00 893.00 MHz 1200.00 1200.00 MHz	α	40 24 20 23 29 45 31	43 32 26 32 32 48 35	 	dB dB dB dB dB dB dB dB

Temperature coefficient of frequency	TC_{f}	 -30	 ppm/K



SAW Components					B3716
SAW filter				86	69.00 MHz
Data sheet	=M				
Characteristics					
Temperature range for specification:T= -40 °C to $+85$ °CTerminating source impedance: $Z_S = 50 \Omega$ Terminating load impedance: $Z_L = 50 \Omega$					
		min.	typ. @ 25 °C	max.	
Center frequency	f _C	—	869.00	—	MHz
Maximum insertion attenuation 868.00 870.00 MHz	α_{max}	_	2.5	3.9	dB
Amplitude ripple (p-p) 868.00 870.00 MHz	Δα	_	0.6	1.6	dB
Attenuation	α				
10.00 838.00 MHz 838.00 856.40 MHz		40 24	43 32		dB dB
856.40 858.50 MHz		14	26	_	dB
880.00 883.00 MHz		10	32	—	dB
883.00 893.00 MHz		29	32	—	dB
893.00 1200.00 MHz 1200.00 2000.00 MHz		45 31	48 35	_	dB dB
Temperature coefficient of frequency	TC _f		-30	_	ppm/K

Maximum ratings

Operable temperature range	Т	-45/+125	°C	
Storage temperature range	T _{stg}	-45/+125	°C	
DC voltage	V _{DC}	5	V	
Source power	Ps	13	dBm	source impedance 50 Ω
Source power 868 MHz to 870 MHz	P_S	18	dBm	duty cycle 1:10, –40 °C to +85 °C

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Please read *cautions and warnings and important notes* at the end of this document.

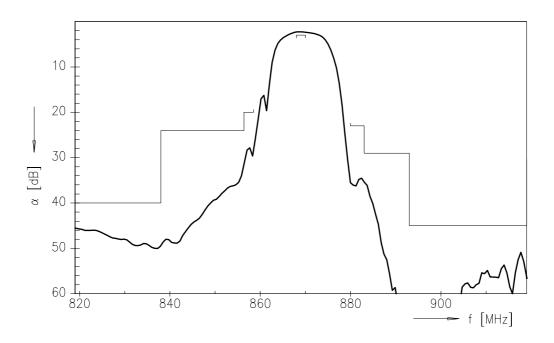
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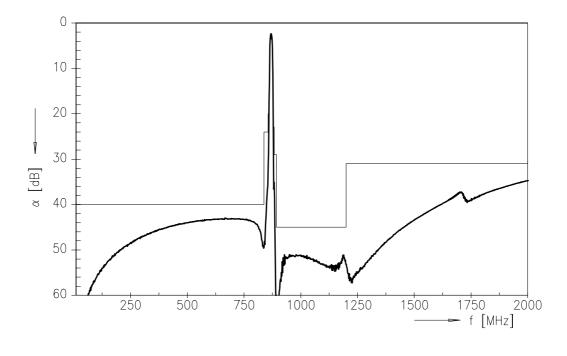




Transfer function



Transfer function (wideband)



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Data sheet	SMD	

References

Туре	B3716		
Ordering code	B39871B3716U410		
Marking and package	C61157-A7-A67		
Packaging	F61074-V8168-Z000		
Date codes	L_1126		
S-parameters	B3716_SB.s2p B3716_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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