

RF360 Europe GmbH

A Qualcomm – TDK Joint Venture

SAW Components

SAW filter

Double conversion

Series/type:	B1619
Ordering code:	B39172 B1619 U810
Date:	February 11, 2011
Version:	2.1

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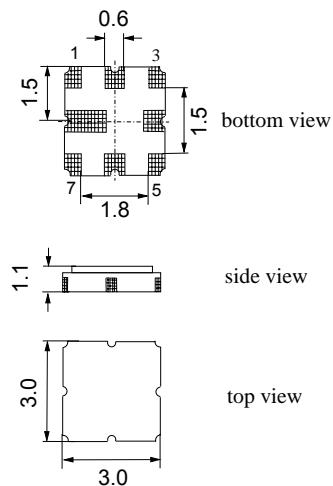
Data sheet


Application

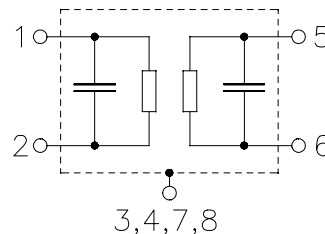
- Low-loss RF filter
- Balanced to balanced operation
- Low group delay ripple


Features

- Package size 3.0 x 3.0 x 1.1 mm³
- Package code QCC8D
- RoHS compatible
- Approximate weight 0.037 g
- Package for **Surface Mount Technology (SMT)**
- Ni, gold-plated terminals
- **Electrostatic Sensitive Device (ESD)**


Pin configuration

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



SAW Components
B1619
SAW filter
1690.00 MHz
Data sheet

Characteristics

Operating temperature range:	T = 0 °C to +70 °C
Terminating source impedance:	Z _S = 190 Ω
Terminating load impedance:	Z _L = 190 Ω

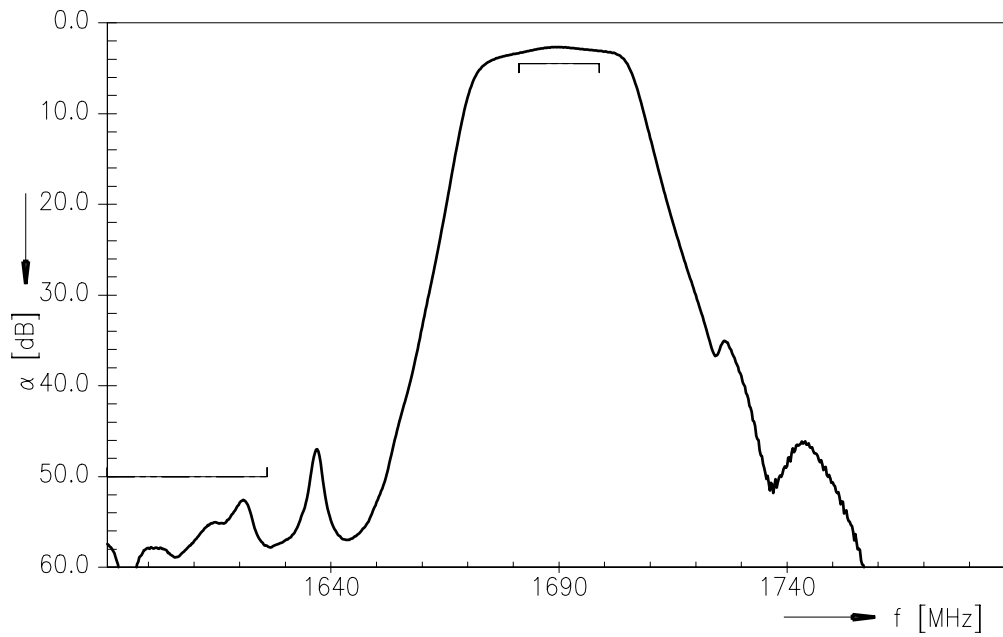
		min.	typ. @ 25 °C	max.	
Center frequency	f _C	—	1690.00	—	MHz
Maximum insertion attenuation 1681.20 ... 1698.80 MHz	α _{max}	—	4.00	4.50	dB
Amplitude ripple in any 6.5 MHz band 1681.20 ... 1698.80 MHz		—	0.50	1.00	dB
Pass bandwidth α _{rel} ≤ 3 dB		—	33.00	—	MHz
α _{rel} ≤ 10 dB		—	40.00	—	MHz
Attenuation 1577.00 ... 1626.00 MHz	α	50.00	53.00	—	dB
Group delay ripple (p-p) 1681.20 ... 1698.80 MHz		—	15.00	—	ns

Maximum ratings

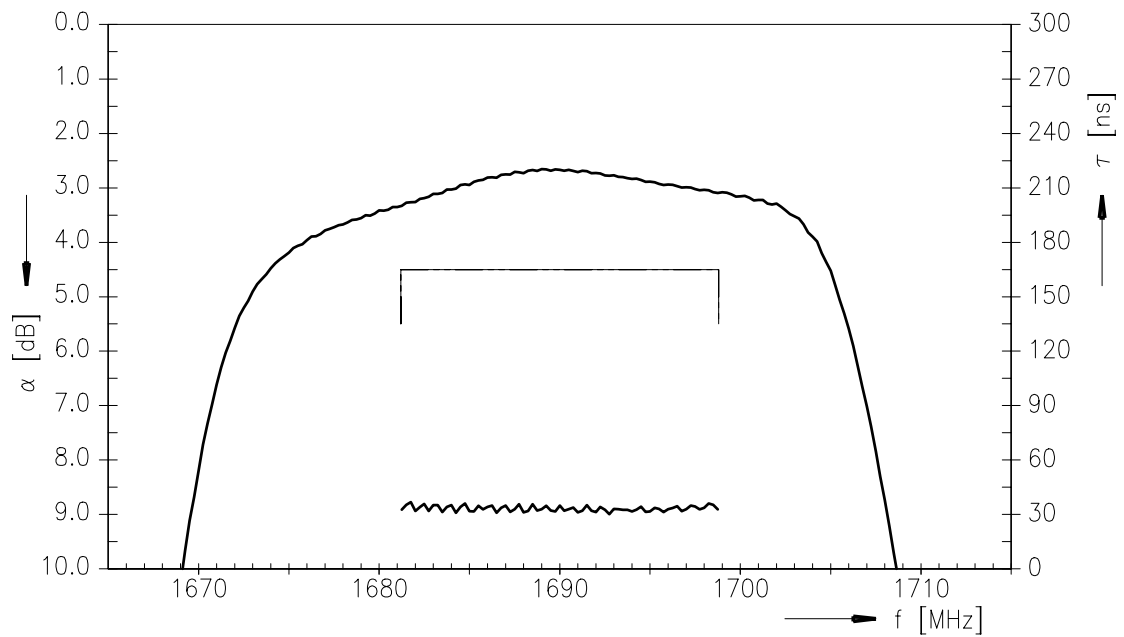
Operable temperature range	T	-45/+85	°C	
Storage temperature range	T _{stg}	-45/+85	°C	
DC voltage	V _{DC}	0	V	
Source power	P _S	0	dBm	source impedance 190 Ω



Transfer function



Transfer function



SAW Components	B1619
SAW filter	1690.00 MHz

Data sheet



References

Type	B1619
Ordering code	B39172-B1619-U810
Marking and package	C61157-A7-A72
Packaging	F61074-V8168-Z000
Date codes	L_1126
S-parameters	B1619_NB_UN.s4p B1619_WB_UN.s4p
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 maximum concentration values for certain hazardous substances in electrical and electronic equipment."

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

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