



SAW Components

SAW RF filter

Automotive telematics

Series/type:	B3908
Ordering code:	B39881B3908U410
Date:	April 20, 2010
Version:	2.0

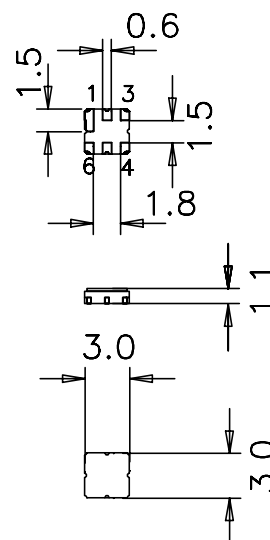
Application

- Low-loss RF filter for Automotive telematics
- Low amplitude ripple
- Usable passband 25 MHz



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

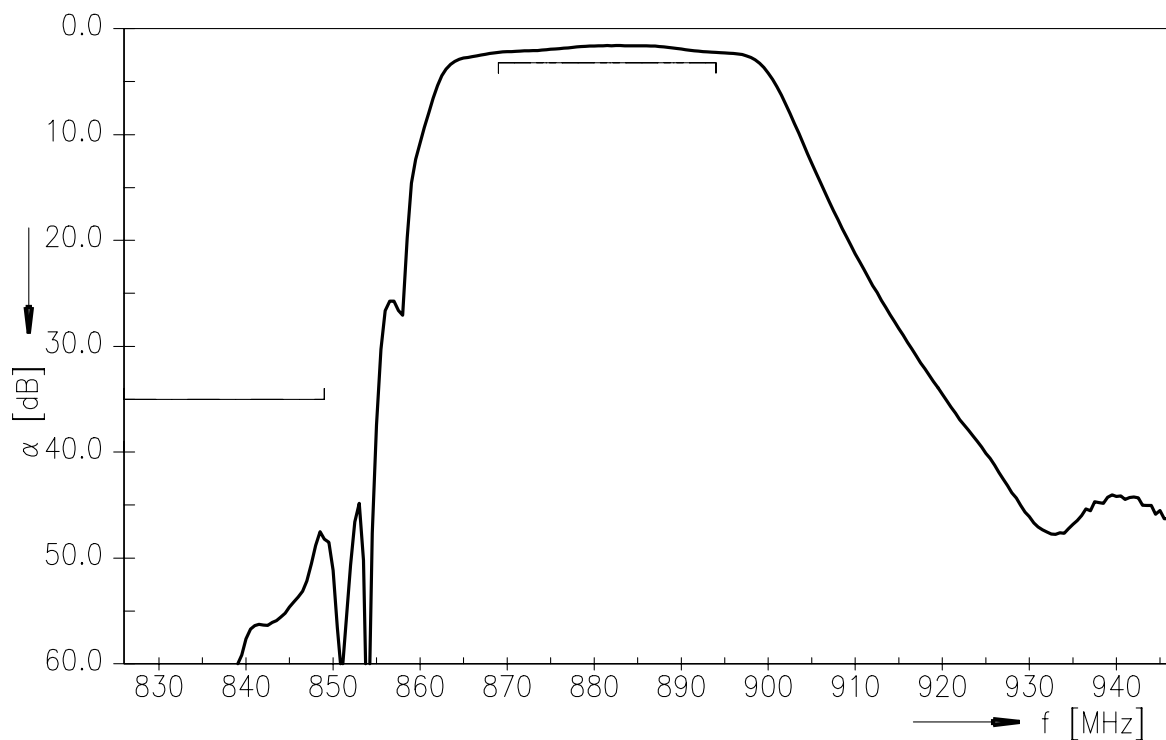
Data sheet

Characteristics

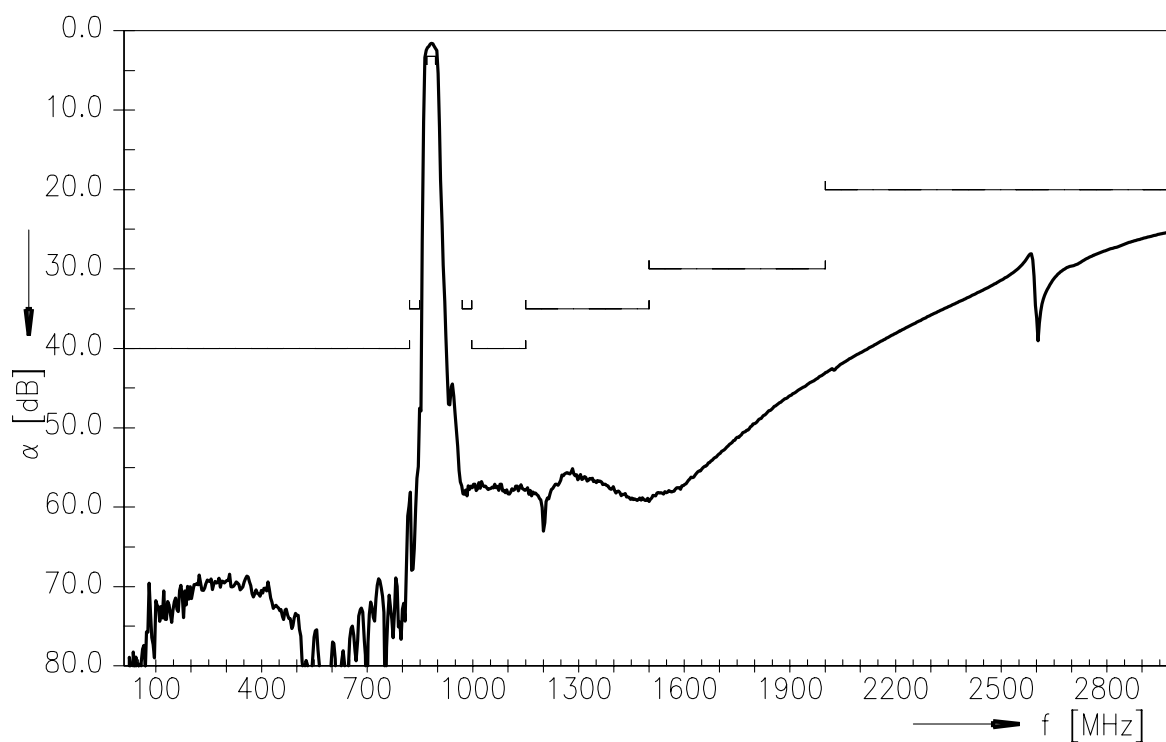
Temperature range for specification: $T = -40\text{ }^{\circ}\text{C to } +95\text{ }^{\circ}\text{C}$
 Terminating source impedance: $Z_S = 50\text{ }\Omega$
 Terminating load impedance: $Z_L = 50\text{ }\Omega$

		min.	typ. @ 25 °C	max.	
Center frequency	f_C	—	881.50	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$				
869.0 ... 894.0 MHz		—	2.6	3.2	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
869.0 ... 894.0 MHz		—	1.1	1.7	dB
VSWR					
869.0 ... 894.0 MHz		—	1.7	2.0	
Attenuation	α				
10.0 ... 820.0 MHz		40	50	—	dB

Frequency response



Frequency response (wideband)



References

Type	B3908
Ordering code	B39881B3908U410
Marking and package	C61157-A7-A67
Packaging	F61074-V8228-Z000
Date codes	L_1126
S-parameters	B3908_NB.s2p B3908_WB.s2p See file header for port/pin assignment table.
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."

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