

RF Filter 100 MHz to 8.0 GHz SMT Package

The content of this specification may change without notification 09/18/08

# Wide Band **RF Eliminate Filter** KHLC-06d



RoHS

### Feature

- SMT Package in Thin Thickness
- Broad Bandwidth: 100 kHz to 8.0 GHz (-20 dB)
- Comply with Large Current (1.75 A)

KHLC-06d is a RF preventive filer with small size in SMT package as similar to KHLC-04d performs in a super broadband width of 100 kHz to 8 GHz (-20 dB).

In the appearance of 5 GHz wireless LAN which represents with IEEE 802,11a, the frequency applied to the commercial electronics is getting to be higher. It is impossible to use a conventional method by bypass capacitor or ferrite beads in order to prevent noise element like clock noise to wireless signal in the broadband at the PC side.

In performing data transmission of rapid speed and high quality as well as controlling the errors, KHLC-06d should be put in series to the bias (power supply terminal) of the electric device (ICs and etc) and needs to cut high harmonic wave signal which is leaked in the power supply line.

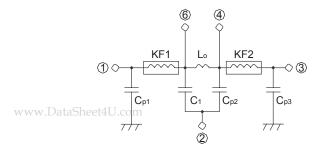
It is possible to adopt the applications in the bias circuit for Combo wireless LAN compliant to IEEE 802.11a/b.

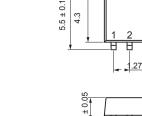
KHLC-06d is in SMT package which can be mounted near the electric power supply terminals and is made ideal mounting position electrically.

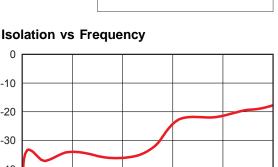
Parameter	Value (max.)	Unit
Rated Current	1,750	mA
Rated Voltage	25	V
Soldering Temperature	+265 (10 sec)	С
Operating Temperature	<b>—</b> 40 ~ <b>+</b> 85	С
Storage Temperature	<b>—</b> 65 ~ <b>+</b> 150	С

#### **Absolute Maximum Rating**

### **Schematics**







10G

## **Electrical Specifications**

Parameter	Value	Condition
Band Width	100kHz ~ 8.0GHz (Typ.)	-20 dB
	300kHz ~ 5.3GHz (Typ.)	<b>—</b> 30 dB
DC Resistance	0.1 <b>Ω</b> max.	_

0.05

0.15

Frequency [ Hz ]

#### Dimensions

4.0

н

0.40

0

-10

-20

-30

-40

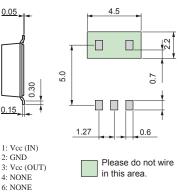
-50

-60

-70

1M

UNIT : mm



Specifications of products are subject to change without notice.



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