

# Spec Sheet

High Frequency Multilayer Chip Inductors for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications (HK series)

## HK06031N8S-TV



### ■ Features

- Item Summary  
1.8nH±0.3nH, 0.39A, 0201/0603 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 15000pcs

### ■ Products characteristics table

Inductance	1.8 nH ± 0.3nH
Case Size (EIA/JIS)	0201/0603
Rated Current (max)	0.39 A
DC Resistance (max)	0.16 Ω
DC Resistance (typ)	0.12 Ω
Q (min)	4
Q (typ)	6
LQ Measuring Frequency	100 MHz
Self Resonant Frequency (min)	10000 MHz
Self Resonant Frequency (typ)	13000 MHz
Operating Temp. Range	-55 to +125 °C
RoHS Compliance (10 subst.)	Yes
REACH Compliance (205 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	0.6 ±0.03 mm
Dimension W	0.3 ±0.03 mm
Dimension T	0.3 ±0.03 mm
Dimension e	0.15 ±0.05 mm

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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
TAIYO YUDEN reserves the right to make change to the data at any time without notice.  
Before making final selection, please check product specification.

Please read this notice before using the TAIYO YUDEN products.



REMINDERS

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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment\*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

\*Note: There is a possibility that our products can be used only for aviation equipment that does not directly affect the safe operation of aircraft (e.g., in-flight entertainment, cabin light, electric seat, cooking equipment) if such use meets requirements specified separately by TAIYO YUDEN. Please be sure to contact TAIYO YUDEN for further information before using our products for such aviation equipment.

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