

Spec Sheet

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

HK06031N5S-TV



■ Features

- Item Summary
1.5nH±0.3nH, 0.43A, 0201/0603 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Paper 15000pcs

■ Products characteristics table

| | |
|-------------------------------|----------------|
| Inductance | 1.5 nH ± 0.3nH |
| Case Size (EIA/JIS) | 0201/0603 |
| Rated Current (max) | 0.43 A |
| DC Resistance (max) | 0.13 Ω |
| DC Resistance (typ) | 0.11 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

- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
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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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