

Spec Sheet

High Frequency Multilayer Chip Inductors for Automotive / Industrial Applications (HK series)

HK10053N9S-TV



■ Features

- Item Summary
3.9nH±0.3nH, 0.3A, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping paper 10000pcs

■ Products characteristics table

| | |
|--|----------------|
| Inductance | 3.9 nH ± 0.3nH |
| Case Size (EIA/JIS) | 0402/1005 |
| Rated Current (max) | 0.3 A |
| Rated Current (max)(-55 to 85°C) | 0.5 A |
| DC Resistance (max) | 0.21 Ω |
| DC Resistance (typ) | 0.12 Ω |
| Q (min) | 8 |
| Q (typ) | 10 |
| LQ Measuring Frequency | 100 MHz |
| Self Resonant Frequency (min) | 4000 MHz |
| Self Resonant Frequency (typ) | 7000 MHz |
| Operating Temp. Range | -55 to +125 °C |
| Temperature characteristic (Inductance change) | ± 10 % |
| RoHS2 Compliance (10 subst.) | Yes |
| REACH Compliance (173 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

| | |
|-------------|--------------|
| Dimension L | 1.0 ±0.05 mm |
| Dimension W | 0.5 ±0.05 mm |
| Dimension T | 0.5 ±0.05 mm |
| Dimension e | 0.25 ±0.1 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 Date at any time without notice. Before making final selection, please check product specification.