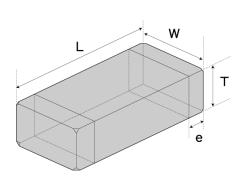
Spec Sheet

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

HK10058N2J-TV



Features

- Item Summary

8.2nH±5%, 0.3A, 0402/1005 (EIA/JIS)

- Lifecycle Stage
- Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
 Taping paper 10000pcs

Products characteristics table

| Inductance | 8.2 nH ± 5 % |
|---|---------------|
| Case Size (EIA/JIS) | 0402/1005 |
| Rated Current (max) | 0.3 A |
| Rated Current (max)(-55 to 85°C) | 0.38 A |
| DC Resistance (max) | 0.28 Ω |
| DC Resistance (typ) | 0.21 Ω |
| Q (min) | 8 |
| Q (typ) | 10 |
| LQ Measuring Frequency | 100 MHz |
| Self Resonant Frequency (min) | 3600 MHz |
| Self Resonant Frequency (typ) | 4900 MHz |
| Operating Temp. Range | -55 to +125 ℃ |
| 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.