

## Spec Sheet

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

# HK10053N3S-TV



### ■ Features

- Item Summary  
3.3nH(-0.3nH to +0.3nH), 300mA, 8, 0402
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping 10000pcs

### ■ Products characteristics table

|                                |                         |
|--------------------------------|-------------------------|
| CaseSize (EIA/JIS)             | 0402/1005               |
| Inductance                     | 3.3nH(-0.3nH to +0.3nH) |
| Inductance Measuring Frequency | 100MHz                  |
| Rated Current                  | 300mA                   |
| DC Resistance (max)            | 0.16Ω                   |
| Avg. of DC.Resistance          | 0.1Ω                    |
| Temperature Range              | -55 to +125 °C          |
| Self-resonant Frequency (min)  | 6000MHz                 |
| Q (max)                        | 8min                    |
| Q Measuring Frequency          | 100MHz                  |
| RoHS Compliance                | Yes                     |
| Halogen Free                   | Yes                     |
| Soldering Method               | Reflow                  |

### ■ External Dimensions

|   |              |
|---|--------------|
| L | 1mm ±0.05    |
| W | 0.5mm ±0.05  |
| H | 0.5mm ±0.05  |
| e | 0.25mm ±0.10 |

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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.