

# Spec Sheet

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

## HK10052N7S-TV



### ■ Features

- Item Summary  
2.7nH±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	2.7 nH ± 0.3nH
Case Size (EIA/JIS)	0402/1005
Rated Current (max)	0.3 A
Rated Current (max)(-55 to 85°C)	0.65 A
DC Resistance (max)	130 mΩ
DC Resistance (typ)	80 mΩ
Q (min)	8
Q (typ)	10
LQ Measuring Frequency	100 MHz
Self Resonant Frequency (min)	6000 MHz
Self Resonant Frequency (typ)	9000 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.