

## Multilayer Chip Inductors for High Frequency Applications (HK series)

### HK21252N7S-T



#### ■ Features

- Item Summary  
2.7nH±0.3nH, 0.3A, 0805/2012 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 4000pcs

#### ■ Products characteristics table

|  |                |
|--|----------------|
| Inductance                                     | 2.7 nH ± 0.3nH |
| Case Size (EIA/JIS)                            | 0805/2012      |
| Rated Current (max)                            | 0.3 A          |
| DC Resistance (max)                            | 100 mΩ         |
| DC Resistance (typ)                            | 30 mΩ          |
| Q (min)  | 12             |
| Q (typ)  | 19             |
| LQ Measuring Frequency                         | 100 MHz        |
| Self Resonant Frequency (min)                  | 4000 MHz       |
| Self Resonant Frequency (typ)                  | 6000 MHz       |
| Operating Temp. Range                          | -40 to +85 °C  |
| Temperature characteristic (Inductance change) | ± 10 %         |
| RoHS2 Compliance (10 subst.)                   | Yes            |
| REACH Compliance (173 subst.)                  | Yes            |
| Halogen Free                                   | Yes            |
| Soldering                                      | Reflow/Wave    |

#### ■ External Dimensions

|             |                  |
|-------------|------------------|
| Dimension L | 2.0 +0.3/-0.1 mm |
| Dimension W | 1.25 ±0.2 mm     |
| Dimension T | 0.85 ±0.2 mm     |
| Dimension e | 0.5 ±0.3 mm      |

2017.04.30

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.