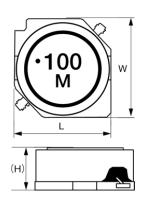
# **Spec Sheet**

# SMD Power Inductors (NS series) NS10145T470MNA



### Products characteristics table

CaseSize (EIA/JIS)	-/10145
Inductance	47 μH(±20%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	1.85A
Rated Current -Temperature Rise Current	1.8A
DC Resistance (max)	0.12Ω
Avg. of DC.Resistance	0.1Ω
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	9.2MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

#### Features

- Item Summary
  - 47μH(±20%), 1.85A, 1.8A
- Lifecycle Stage
- Mass Production
- Standard packaging quantity (minimum)
- Taping 2000pcs(500pcs\*4reel)

## External Dimensions

L	10.1mm ±0.3
W	10.1mm ±0.3
н	4.5mm ±0.35

## Recommended Land Patterns

【推奨ランドパターン】 実装上の注意 ・実装状施を確認の上ご使用くださいますようお 醜いいたします。 ・本製品のはんだ付けはリフローはんだ工法に限ります。							
[Recommended Land Patterns] Surface Mounting • Mounting and soldering conditions should be checked beforehand • Applicable soldering process to these products is reflow soldering on							
SMD Power Inductors (NS series)							
	Type	A	В	C			
	NS 10145	2.5	5.6	3.2			
	NS 10155	2.5	5.6	3.2			
	NS 10165	2.5	5.6	3.2			
	NS 12555	2.5	8.6	3.2			
	NS 12565	2.5	8.6	3.2			
l	NS 12575	2.5	8.6	3.2	]		
				unit: mm			

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. 2013.12.03

**TAIYO YUDEN**