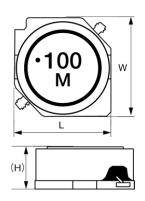
Spec Sheet

SMD Power Inductors (NS series) NS12575T5R6NN



Products characteristics table

CaseSize (EIA/JIS)	-/12575	
Inductance	5.6 µH(±30%)	
Inductance Measuring Frequency	100kHz	
Rated Current -Saturation Current	10.85A	
Rated Current -Temperature Rise Current	6.36A	
DC Resistance (max)	0.01392Ω	
Avg. of DC.Resistance	0.0116Ω	
Temperature Range	-40°C to 125°C	
Self-resonant Frequency (min)	26.2MHz	
RoHS Compliance	Yes	
Halogen Free	Yes	
Soldering Method	Reflow	

Features

- Item Summary
 - 5.6 µ H(±30%), 10.85A, 6.36A
- Lifecycle Stage
- Mass Production
- Standard packaging quantity (minimum)
- Taping 2000pcs(500pcs*4reel)

External Dimensions

L	12.5mm ±0.3	
W	12.5mm ±0.3	
н	7.5mm ±0.35	

Recommended Land Patterns

【推奨ランドバターン】 実装長しな注意 ・実装状態を確認の上ご使用くださいますようお離いいたします。 ・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 solidering conditions should be checked beforehand. • Applicable soldering process to these products is reflow soldering only						
] I ■ B	A	¢ ¢			
SMD Power Inductors (NS series)						
Type	A	В	С			
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			
NS 12575	2.5	8.6	3.2	1		

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. 2013.11.15

TAIYO YUDEN