NRSE Series

SMD Shielded Tiny Power Inductor

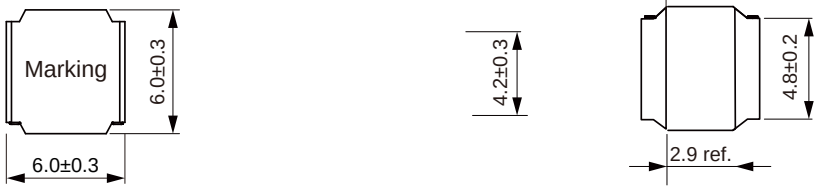
Size 6045

FEATURES

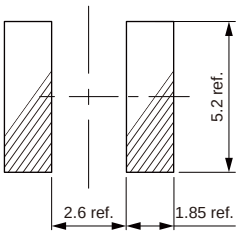
(µ = Ø 4 ŕ } ŕ



Dimensions: [mm]



Land Pattern: [mm]



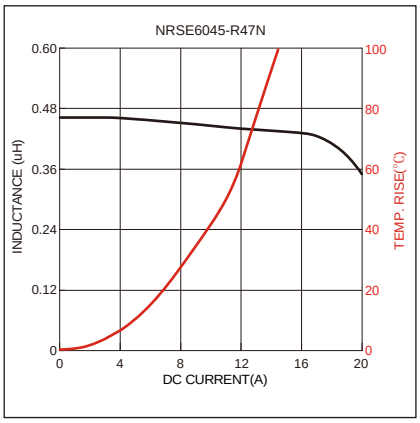
Electrical Properties:

	(µH)		Satura on .	Satura on .			(mΩ)
? ? ?P	?	? ?	?P	?			

				UNIT: MM	KOHERelec KOHER (Shanghai) Electronics Co.,Ltd
				SHEET:1/5	
				APPROVAL:WS	
A0	7-MAY-24	PDF	WL	SIZE: A4	DESCRIPTION:SMD Shielded Tiny Power Inductor
REV	DATE	FILE	BY	PACKING UNIT: 1500 pcs	PART NO:NRSE6045-R47N

KOHER Electronic
4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com

Typical Electrical Characteristics:



				UNIT: MM	KOHERelec KOHER (Shanghai) Electronics Co.,Ltd
				SHEET:2/5	
				APPROVAL:WS	
A0	7-MAY-24	PDF	WL	SIZE: A4	DESCRIPTION:SMD Shielded Tiny Power Inductor
REV	DATE	FILE	BY	PACKING UNIT: 1500 pcs	PART NO:NRSE6045-R47N

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Soldering Reflow:

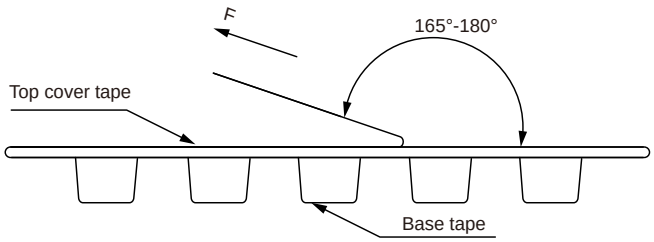
Packaging Information:

Tape Dimension：

Series	A0 (mm)	B0 (mm)				
NRSE6045	6.4 ± 0.1	6.4 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	12.0 ± 0.1	16.0 ± 0.3

				UNIT: MM	KOHERelec KOHER (Shanghai) Electronics Co.,Ltd
				SHEET:3/5	
				APPROVAL:WS	
A0	7-MAY-24	PDF		SIZE: A4	DESCRIPTION:SMD Shielded Tiny Power Inductor
REV	DATE	FILE	BY	PACKING UNIT: 1500 pcs	PART NO:NRSE6045-R47N

Peel force of top cover tape:

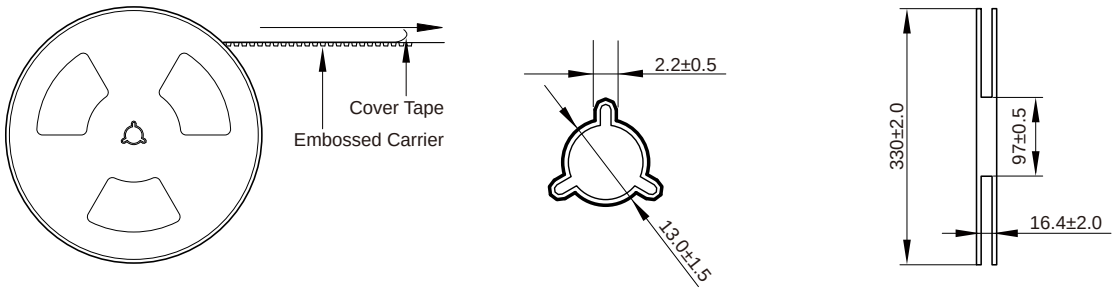


The peel force of top cover tape shall be between 0.3 to 1.17 N

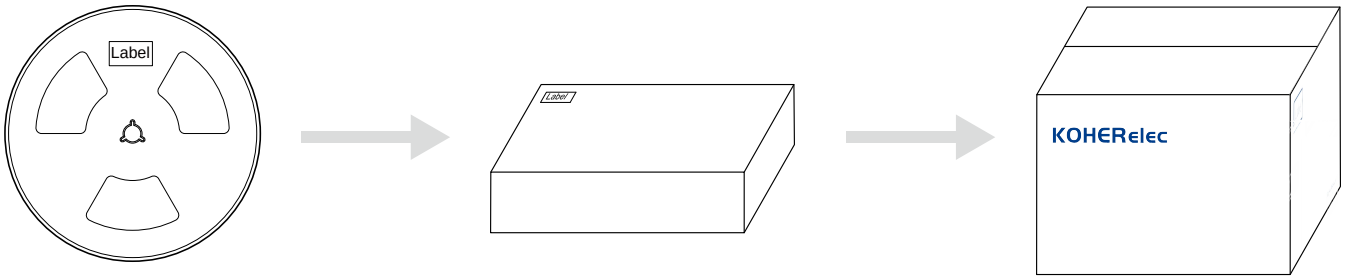
Product Marking:

Marking	Printing Inductance)

Reel Dimension：[mm]



Packaging Quantity:



1500 Pcs/Reel

2 Reel /Inner box(3K Pcs)

3 Inner box/Carton box(9K Pcs)

				UNIT: MM	KOHERelec KOHER (Shanghai) Electronics Co.,Ltd
				SHEET:4/5	
				APPROVAL:WS	
A0	7-MAY-24	PDF	WL	SIZE: A4	DESCRIPTION:SMD Shielded Tiny Power Inductor
REV	DATE	FILE	BY	PACKING UNIT: 1500 pcs	PART NO:NRSE6045-R47N

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Cautions and Warnings:

Storage Conditions：

- The storage period is within 12 months after the completion of production. Be sure to follow the storage conditions (temperature: -5 to 35°C, humidity: 75% RH Max).If the storage period elapses, the soldering of the terminal electrodes may deteriorate.The warranty period is one year.
- Product should not be exposed to environment with high temperature, high humidity, dust, corrosive gas and etc.
- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

Operation Instructions:

- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Before soldering, be sure to preheat components.The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications.If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- Generally, Koher might not be familiar with either customer's specific application or actual requests as customer does.As a result customer shall be responsible for checking and confirming whether Koher product with the performance described in the product specification is suitable for using in customer's particular application or not.

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