SMD High Current Inductor
Size 2015

- Assemblage design, sturdy structure.
- High inductance, high current, low magne c loss, low ESR, small parasi c capacitance.
- Flat wire winding, achieve a low DC resistance. Low power loss, suitable for applica ons of wide temperature and frequency range.
  Opera ng Temperature: -40 °C to +125 °C
  Quan ty: 100pcs

- High current DC/DC converter
- LC filter

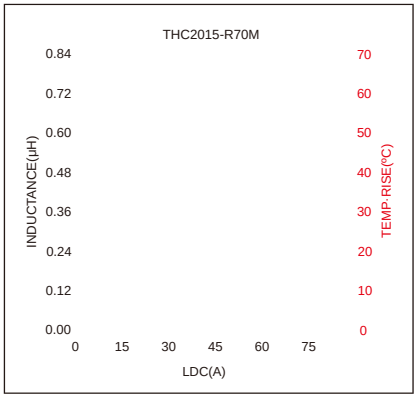
Dimensions: [mm]

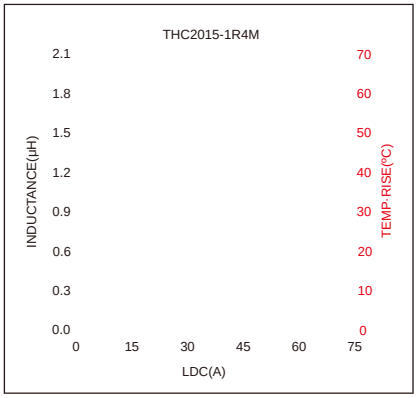
Land Pattern: [mm]

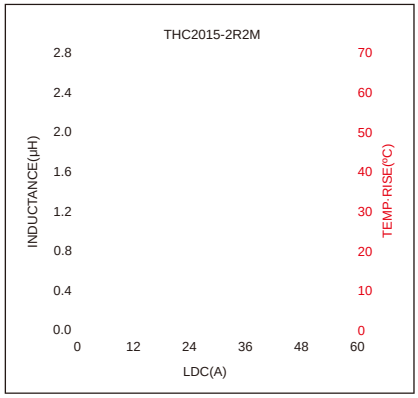
Electrical Properties:

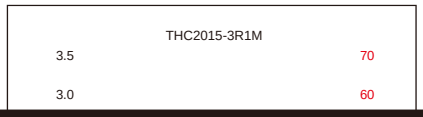
(µH)		Satura on (A)	(mΩ)	(mΩ)
	±20%	75.0	0.66	0.79
	±20%	60.0	0.86	1.02
	±20%	52.0	1.32	1.58
	±20%	45.0	1.92	2.30
	±20%	38.0	2.54	3.04
	±20%	33.0	3.30	3.96
	±20%	30.0	4.25	5.10
	±20%	25.0	5.90	7.08
	±20%	23.0	6.50	7.80
	±20%	21.0	7.10	8.50
	±20%	15.0	8.60	10.3
	±20%	11.0	9.28	11.1
	±20%	8.50	10.0	12.0

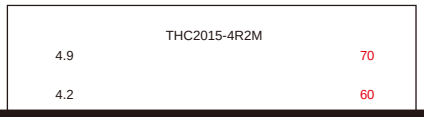
Typical Electrical Characteristics:

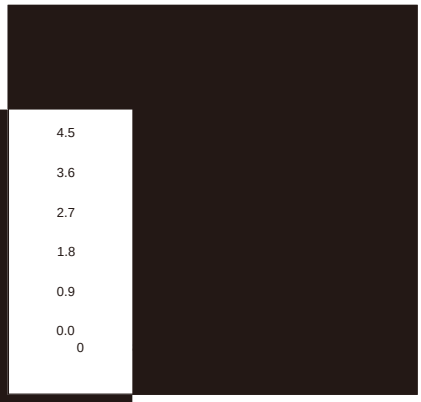












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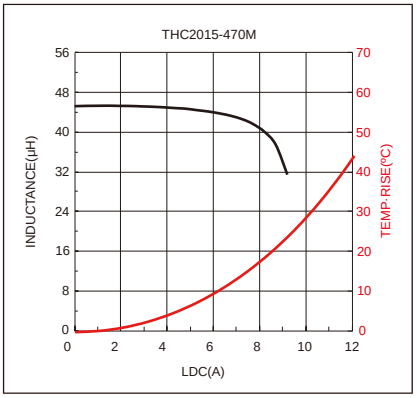


Soldering Reflow:

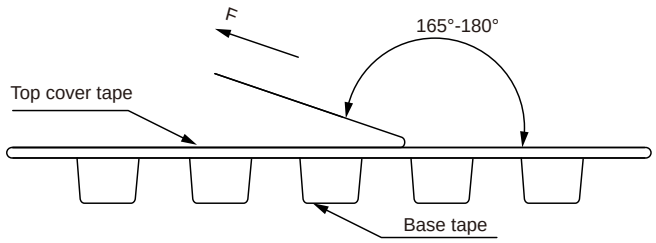
Preheat condition: 150 ~200 °C/ 60~120 sec.

Al6 1.300011.329 ab ta12470C/ 60:120 s5c.

Packaging Information:

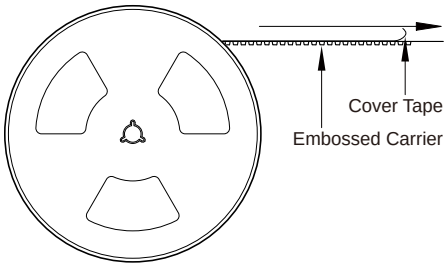
Tape Dimension：

Peel force of top cover tape:

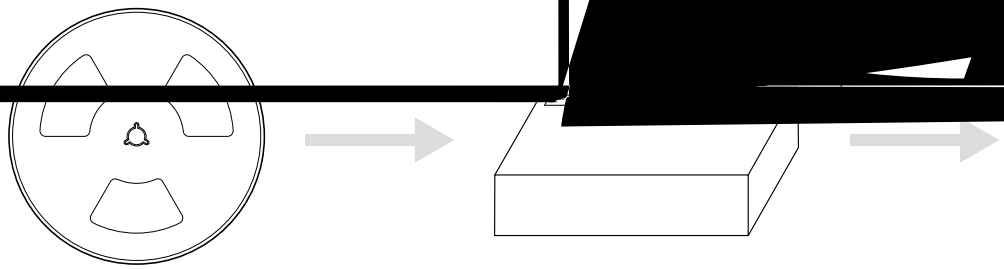


The peel force of top cover tape shall be bet een 0.1 to 1.3 N

Reel Dimension：[mm]



Packaging Quantity:



100 Pcs/Reel

1 Reel /Inner box(100 Pcs)

3 Inner box/Carton box(300 Pcs)

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.