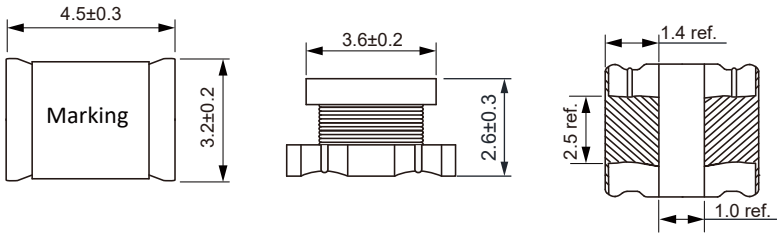
WI Series
SMD Power Inductor
Size 4532

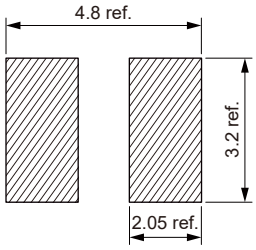
CHARACTERISTICS
- Nizn material with a high Q at high frequency
- Different sizes and wide inductances available
- Quantity: 500pcs

APPLICATION
- Low power DC/DC converter
- Filter
- General circuit application

Dimensions: [mm]



Land Pattern: [mm]



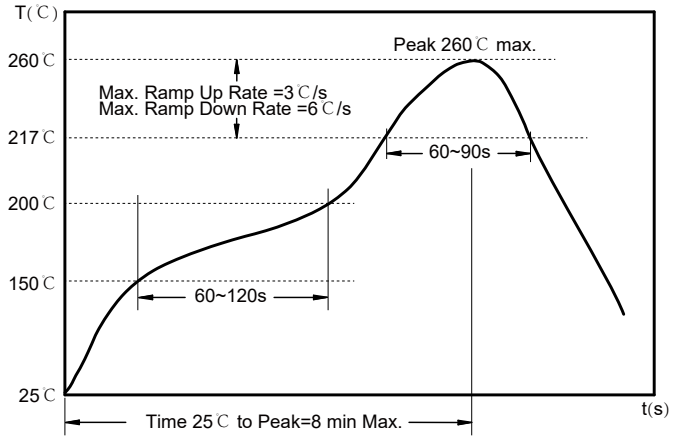
Electrical Properties:

Part No	Inductance (µH)	Test Conditions	Tolerance	DC Resistance MAX. (Ω)	SRF Min. (MHz)	Saturation Current Max. (A)
WI4532-1R0M	1.0	1MHZ/1V	±20%	0.08	100	1.08
WI4532-2R2M	2.2	1MHZ/1V	±20%	0.11	60	0.90
WI4532-3R3M	3.3	1MHZ/1V	±20%	0.13	47	0.80
WI4532-6R8M	6.8	1MHZ/1V	±20%	0.20	30	0.72
WI4532-100K	10	1MHZ/1V	±10%	0.24	23	0.65
WI4532-150K	15	1MHZ/1V	±10%	0.32	20	0.57
WI4532-220K	22	1MHZ/1V	±10%	0.60	15	0.42
WI4532-330K	33	1MHZ/1V	±10%	1.00	12	0.31
WI4532-470K	47	1MHZ/1V	±10%	1.10	10	0.28
WI4532-680K	68	1MHZ/1V	±10%	1.70	8.4	0.22
WI4532-101K	100	1MHZ/1V	±10%	2.20	6.8	0.19
WI4532-151K	150	1MHZ/1V	±10%	3.50	5.5	0.13
WI4532-331K	330	1MHZ/1V	±10%	6.80	3.6	0.10
WI4532-471K	470	1KHZ/1V	±10%	11.8	3.0	0.08
WI4532-681K	680	1KHZ/1V	±10%	14.7	2.2	0.07
WI4532-102K	1000	1KHZ/1V	±10%	27.9	2.0	0.05

Saturation Current will cause L to drop approximately 10%

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

Soldering Reflow:



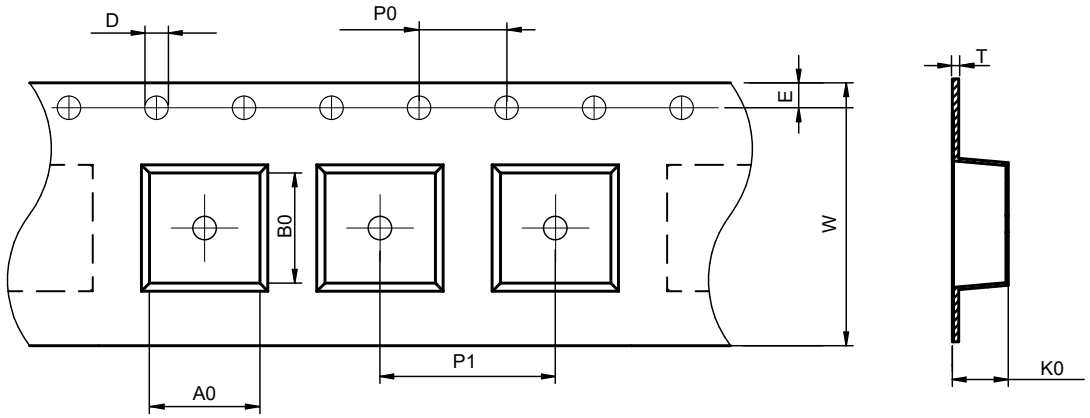
Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

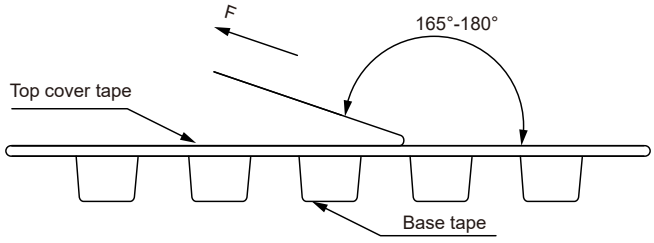
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
WI4532	3.45±0.1	4.70±0.1	1.5±0.1	4.0±0.1	8.0±0.1	12.0±0.3	3.15±0.1	1.75±0.1	0.40±0.05

Peel force of top cover tape:

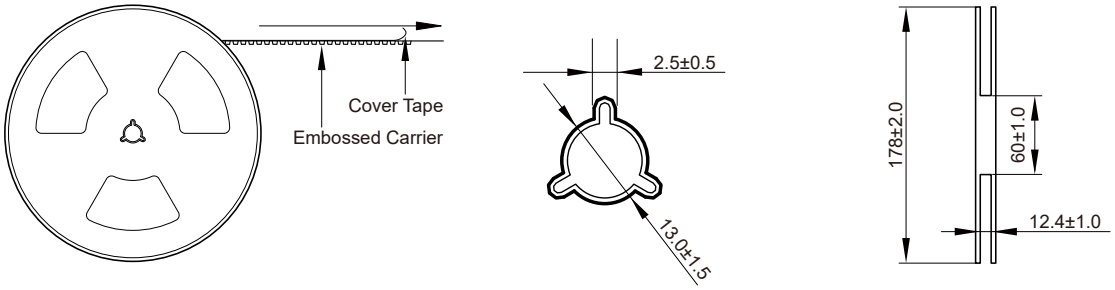


The peel force of top cover tape shall be between 0.3 to 1.17 N

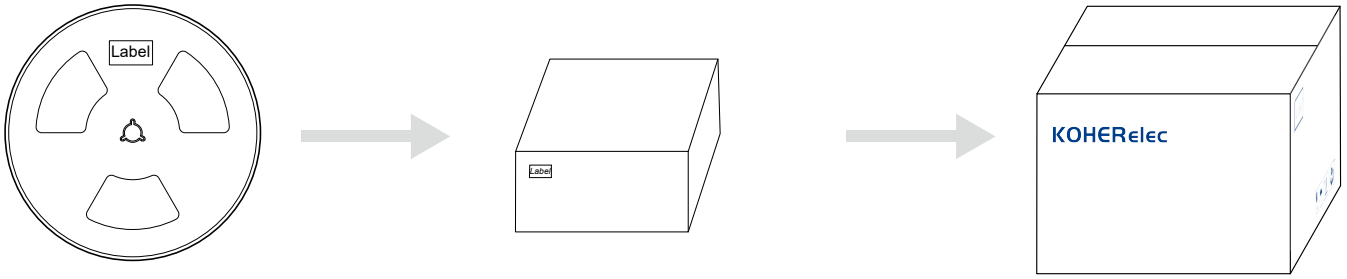
Product Marking:

Marking	Printing (Inductance)

Reel Dimension：[mm]



Packaging Quantity:



500 Pcs/Reel

5 Reel /Inner box(2.5K Pcs)

8 Inner box/Carton box(20K 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.