

WI Series
SMD Power Inductor
Size 3225



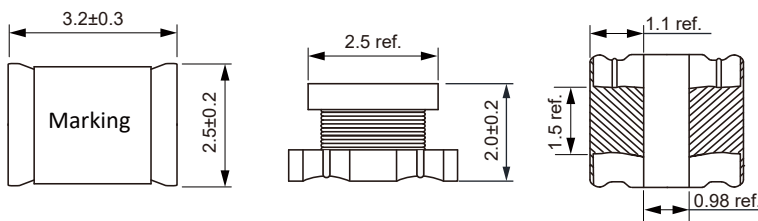
CHARACTERISTICS

- Nizn material with a high Q at high frequency
- Different sizes and wide inductances available
- Quantity: 2000pcs

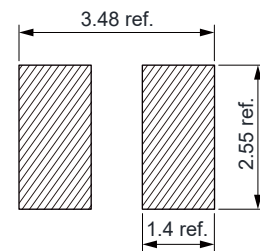
APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]

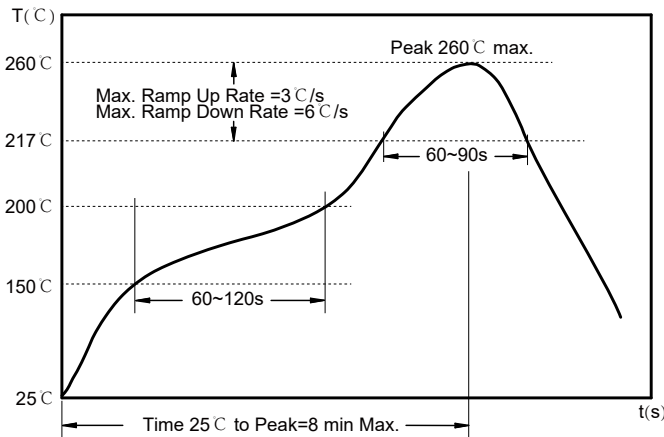


Electrical Properties:

Part No	Inductance @1MHz/0.1V (μ H)	Tolerance	DC Resistance \pm 30% (m Ω)	SRF Min. (MHz)	Saturation Current Max. (A)
WI3225-1R0M	1.0	\pm 20%	90	96	1.000
WI3225-2R2M	2.2	\pm 20%	130	64	0.600
WI3225-4R7M	4.7	\pm 20%	200	43	0.450
WI3225-6R8M	6.8	\pm 20%	260	30	0.400
WI3225-100K	10	\pm 10%	440	26	0.300
WI3225-150K	15	\pm 10%	550	22	0.350
WI3225-220K	22	\pm 10%	710	19	0.250
WI3225-470K	47	\pm 10%	1300	15	0.170
WI3225-560K	56	\pm 10%	2300	12	0.150
WI3225-101K	100	\pm 10%	3500	10	0.100
WI3225-151K	150	\pm 10%	6000	7.0	0.080
WI3225-181K	180	\pm 10%	6100	6.9	0.075
WI3225-221K	220	\pm 10%	8400	6.8	0.070
WI3225-271K	270	\pm 10%	9600	5.0	0.065

Saturation Current will cause L to drop approximately 10%

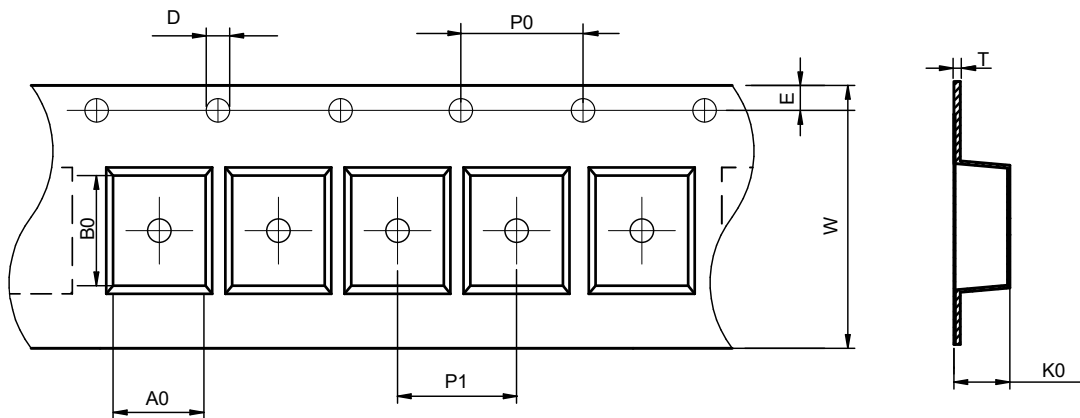
Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~120 sec.
 Allowed time above 217 °C : 60~90 sec.
 Max temperature: 260 °C .

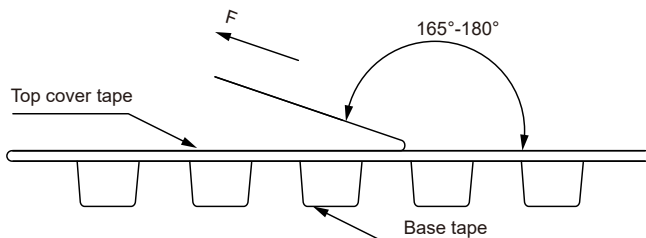
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
WI3225	2.75±0.1	3.50±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	2.3±0.1	1.75±0.1	0.25±0.03

Peel force of top cover tape:

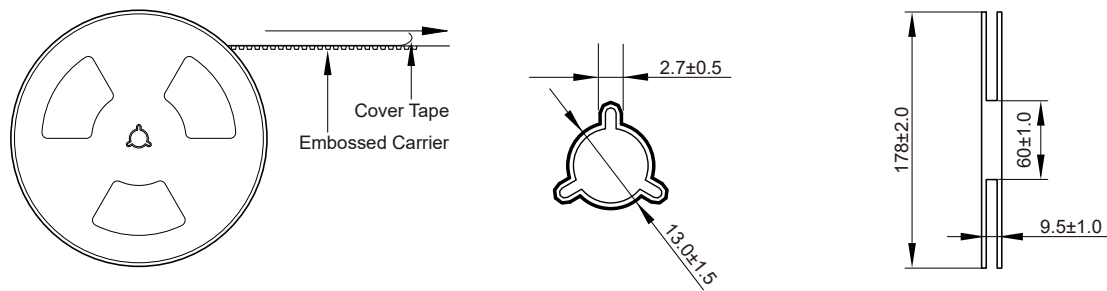


The peel force of top cover tape shall be between 0.3 to 1.17 N

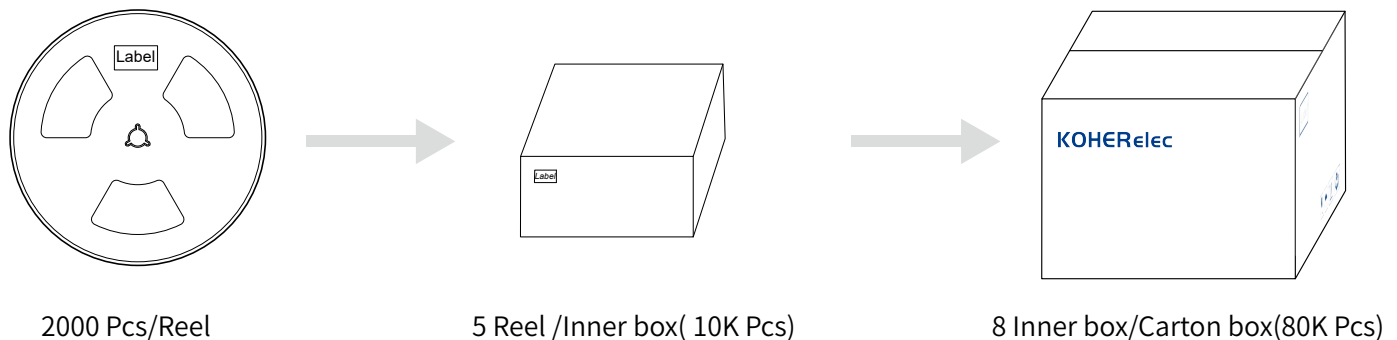
Product Marking:

Marking	Printing (Inductance)
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Reel Dimension: [mm]



Packaging Quantity:



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.