Size 25201B

FEATURES

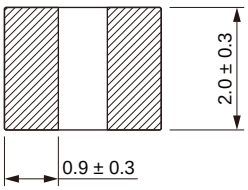
- , ,high e ciency.
- Very low acous c noise and very low leakage flux noise.
- AEC-Q200 qualified
- 100% Lead(Pb)-Free and RoHS compliant.
- Opera ng temperature: -55 to +155 °C (including self-temperature rise)
- Quan ty: 3000PCS

APPLICATION

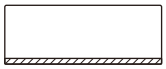
- ADAS
- Headlamps, tail lamps and interior ligh ng
-
- Doors, window li and seat control
- Audio subsystem
- Digital instrument cluste
- In-Vehicle Infotainment and naviga on

DC Resistance Max. (mΩ)	DC Resistance Typ. (mΩ)	Satura on Current Max. (A)	Satura on Current Typ. (A)	Temperature Rise Current Max. (A)	1.0 ± 0.2 Rise Current Typ. (A)
7.0	4.0	10.0	12.0	8.0	
10.8	9.0	9.0		7.6	
	16	7.5		6.4	
23		6.8		6.0	
37	31	6.0		5.5	
32	27	5.3		5.2	
60	52	4.4		4.2	
97	80	3.3		3.3	
204	170	2.7		2.5	
270	245	2.2		2.0	
400	330	1.7		1.4	
		1.45		1.05	

Dimensions: [mm]

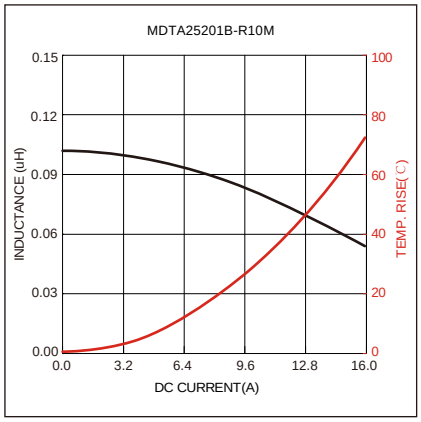


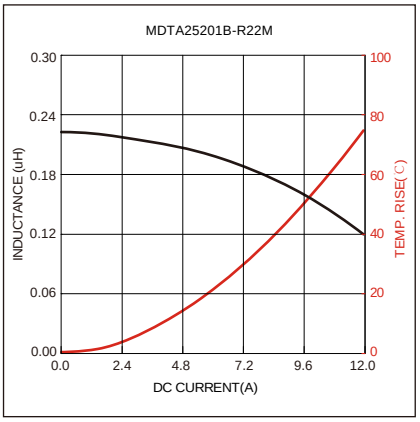
Land Pattern: [mm]

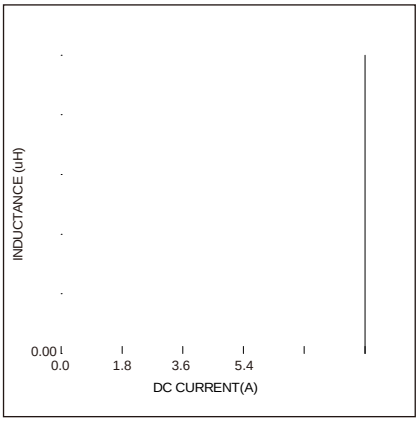


Electrical Properties:

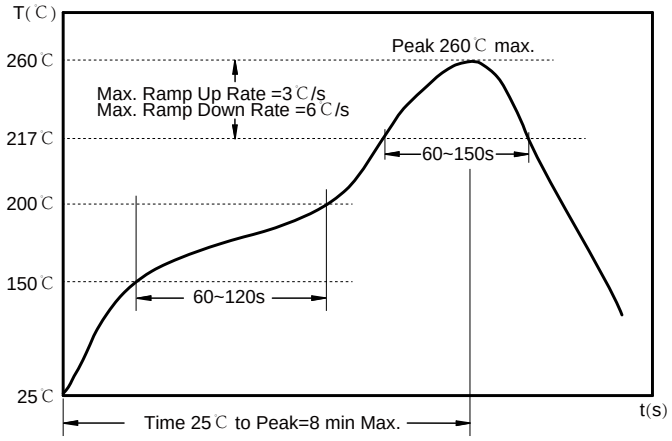
Typical Electrical Characteristics:







Soldering Reflow:



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

Allowed time above 217℃: 60~150 sec.

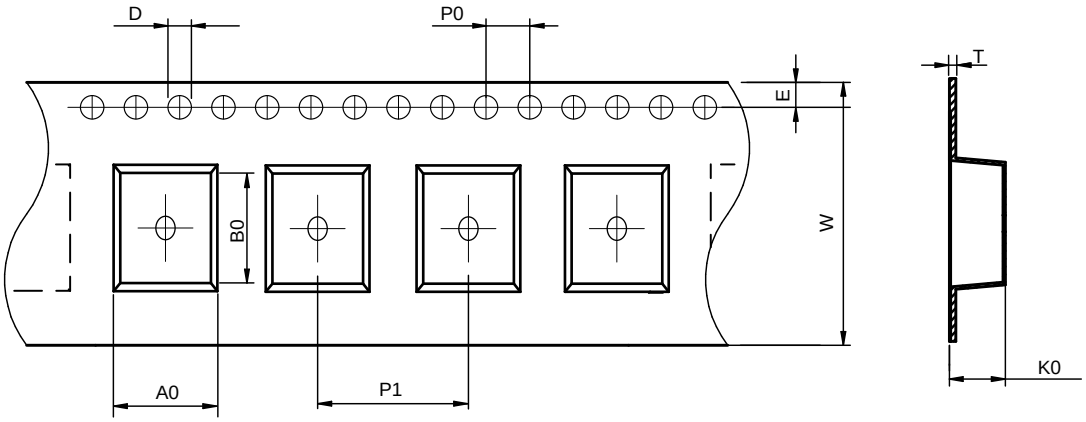
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 3x max.

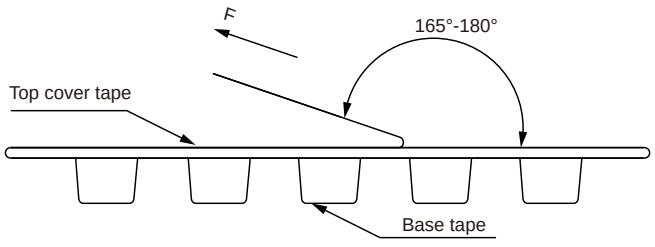
Packaging Information:

Tape Dimension:



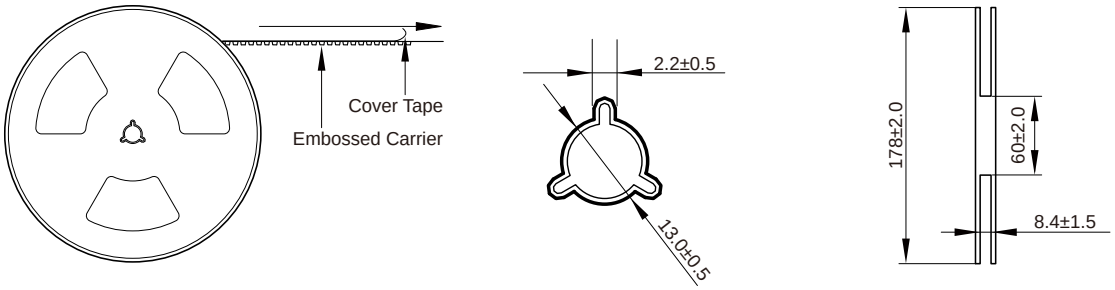
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTA25201B	2.4±0.1	2.9±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.1	1.4±0.1	1.75±0.1	0.25±0.05

Peel force of top cover tape:

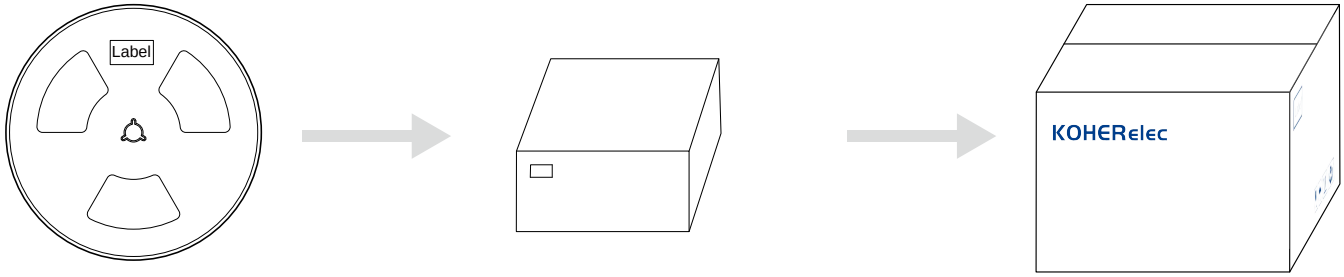


The peel force of top cover tape shall be between 0.1 to 0.98 N

Reel Dimension：[mm]



Packaging Quantity:



3000 Pcs/Reel

5 Reel /Inner box(15K Pcs)

8 Inner box/Carton box(120K 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.
- 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.