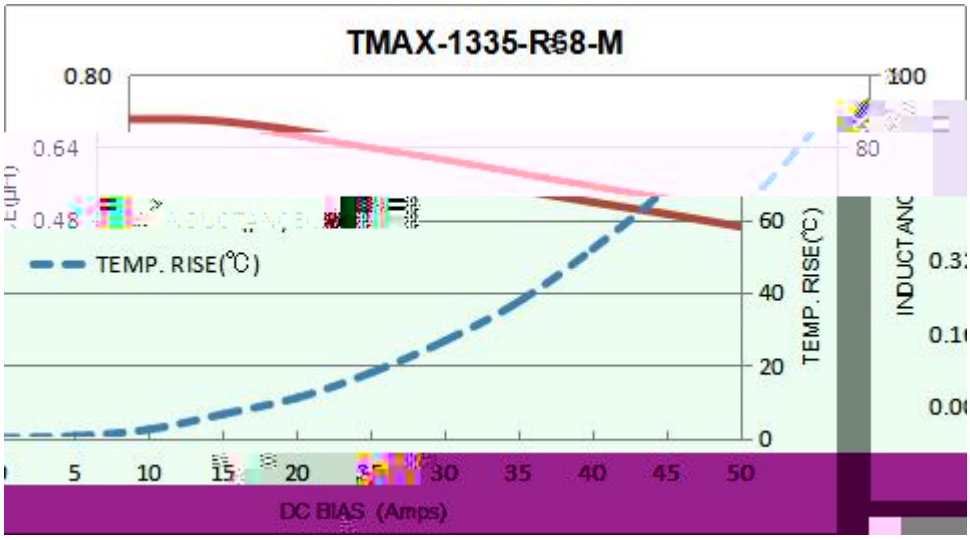
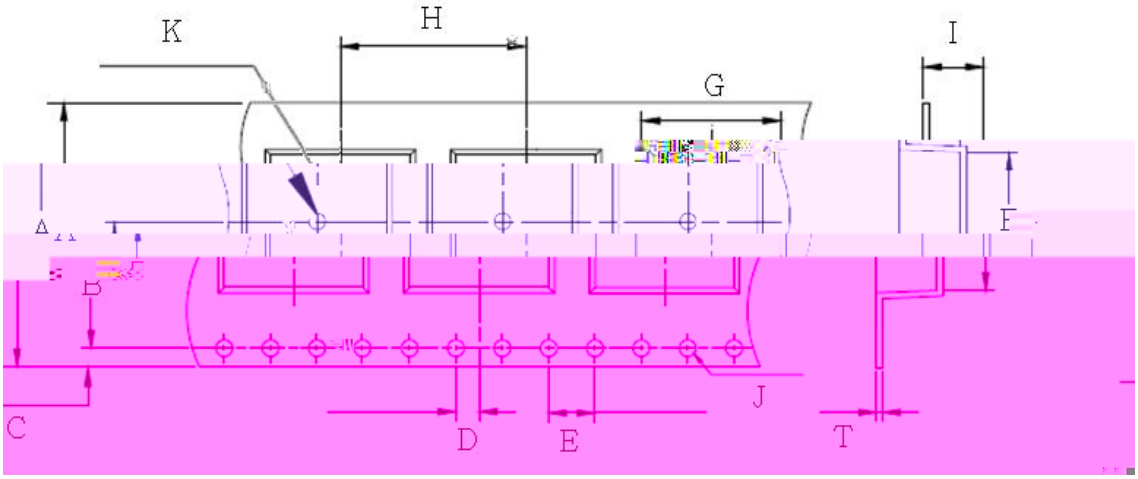
R

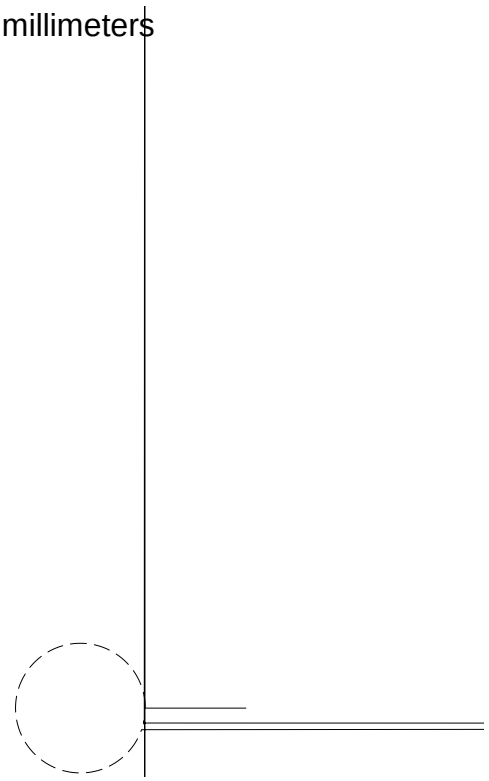

TMAX-1335-R68-M
0.80
0.64
0.48
100
80
60
40
20
0
TEMP. RISE(℃)
TEMP. RISE(℃)
5
10
15
20
30
35
40
45
50
DC BIAS (Amps)

in millimeters



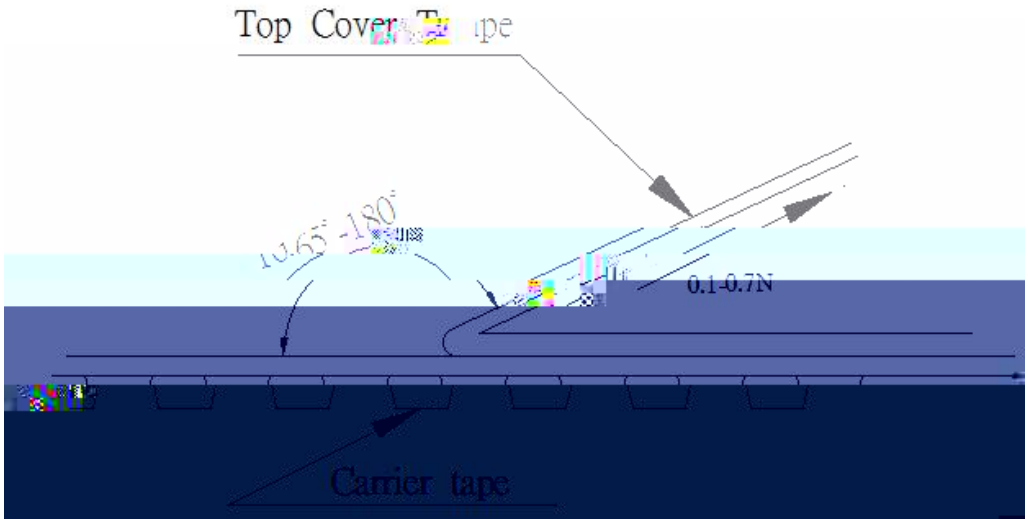
G	F	I	T	H	A
13.4 0.1	13.4 0.1	4.1 0.1	0.5 0.05	16.0 0.1	24.0 0.3
J	K	D	E	B	C
φ1.50 0.1	φ1.50 0.1	2.0 0.1	4.0 0.1	11.5 0.1	1.75 0.1

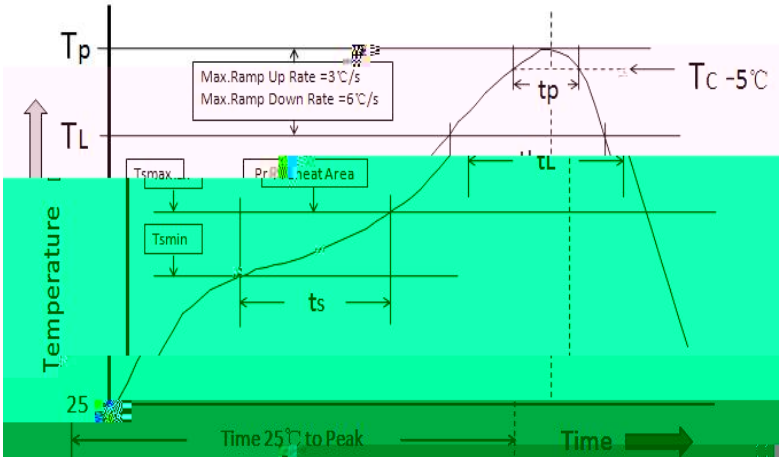
in millimeters



A	B	Color
24.5 0.2	2.0 0.2	Blue

- The peeling speed shall be about 300 mm/minute.
- The peeling force shall be between 0.1 to 0.7 N.





2.5mm	235	220
2.5mm	220	220

1.6mm	260	260	260
1.6-2.5mm	260	250	245
>2.5mm	250	245	245

Preheat and Soak	●Temperature min.(Tsmin)	100	150
	●Temperature max.(Tsmax)	150	200
	●Time(ts):Tsmin to Tsmax	60-120 Seconds	60-120 Seconds
Average ramp up rate TL to Tp		3 /Second Max.	3 /Second Max.
Liquidous temperature(TL)		183	183
Time at liquidous (tL)		60-150 Seconds	60-150 Seconds
Peak package body temperature(Tp)*		Table 1	Table 2
Time (tp)**within 5 of the specified classification temperature(Tc)		20seconds**	30seconds**
Average ramp-down rate Tp to TL		6 /Second Max.	6 /Second Max.
Time 25 to Peak Temperature		6 Minutes Max.	8 Minutes Max.

- 800 pieces/reel

- The following items shall be marked on the production and shipping
- Label on the reel

✓ Part No.	✓ Customer's Name
✓ Description	✓ Customer's Part No.
✓ Quantity	✓ Manufacturer's Part No.
✓ Produce No.	✓ Manufacturer's Name
✓ Taping No.	✓ Manufacturer's Country

➢ : Temperature 25 to 35°C, Humidity 45 to 75% RH

➢ :

✓ Minimum Temperature: -55°C Ambient temperature of molded power inductor.

✓ Maximum Temperature: +125°C The value of temperature including ambient of the transformer and temperature rise of molded power inductor.

✓ There is not a problem from -55°C ~ +125°C in a reliability test.

✓ However, this is not meant a temperature grade guarantee of UL.

➢ : When this molded power inductor was used in a similar or new product to the original one, sometimes it might be unable to satisfy the specifications due to difference of condition of usage.

➢ : If the molded power inductor suffered mechanical stress such as drop, characteristics may become poor (due to damage on coil bobbin, etc.).Never use such stressed molded power inductor.

➢ Provision to Abnormal Condition

This molded power inductor itself does not have any protective function in abnormal condition such as overload, short-circuit and open-circuit conditions, etc. Therefore, it shall be confirmed as the end product that there is no risk of smoking, fire, dielectric withstand voltage, insulation resistance, etc. in abnormal conditions to provide protective devices and/or protection circuit in the end product.

➢ Temperature Rise

Temperature rise of molded power inductor depends on the installation condition on end products. It shall be confirmed on the actual end product that temperature rise of molded power inductor is in the limit of specified temperature class.

➢ Dielectric Strength

Dielectric withstanding test with higher voltage than specific value will damage insulating material and shorten its life.

➢ Water

This molded power inductor must not be used in wet condition by water, coffee or any liquid because insulation strength becomes very low on the condition.

➢ Potting

If this molded power inductor is potted in some compound, coating material of magnet wire might be occasionally damaged. Please ask us if you intend to pot this molding.

➢ Detergent

Please consult our company once in case of this because the confirmation of reliability etc. is needed when the washing medicine is used for the molded power inductor.

➢ Notes

This electronic component has been designed and developed for usage in general electronic equipment only, not for usage in areas such as military, aerospace, aviation, transportation (automotive control, train control, ship control) etc.. TDG Holding Co., Ltd. must be informed about the intent of such usage before the design-in stage and the parties must have executed an agreement specifically governing such use. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component.