## 5 é / Descriptions

TO-263 .> / / x N ?ú 3 MOS « | • 'ož N-CHANNEL MOSFET in a TO-263 Plastic Package.

## ¤ª / Features

z õ > z F Ø •¼ , † ½ož

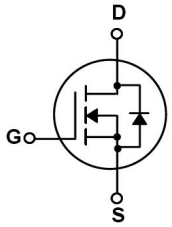
Low gate charge, Low Crss , Fast switching.

## Ð ÷ / Applications

9 ä È • ¼ › k ÿ s v ˜ k ; 6 9 ›ož

High efficiency switch mode power supplies, Electronic lamp ballasts based on half bridge, UPS .

## Ã W ] Ô · / Equivalent Circuit




## • Û - æ / Pinning



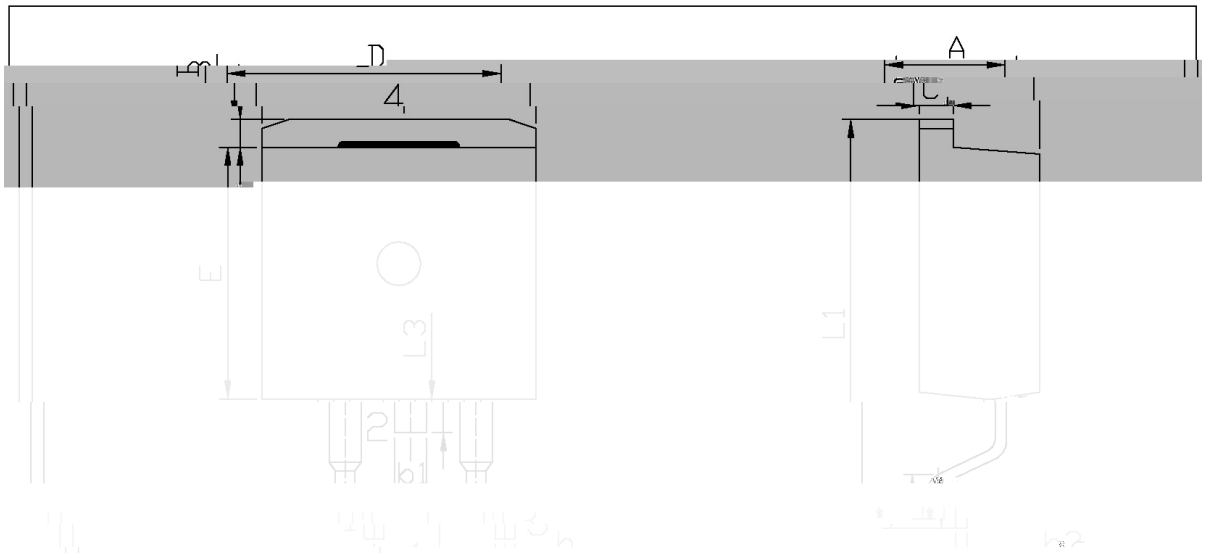

PIN1 y G PIN 2o•4 y D PIN 3 y S

## Z Ü B , M V / $h_{FE}$ Classifications & Marking

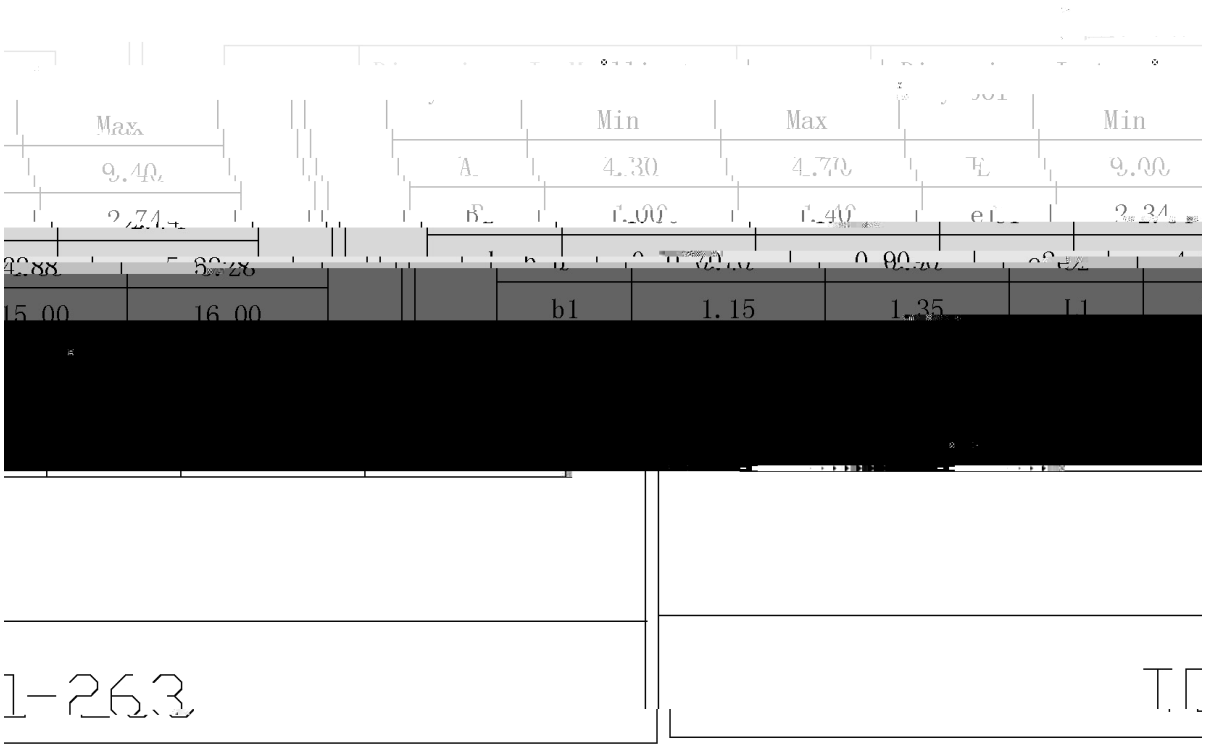
• - ~ ª ¢ož See Marking Instructions.

| @ *f* | … Z | *f* › | % y |
|---|---|---|---|
| Parameter | Symbol | Rating | |

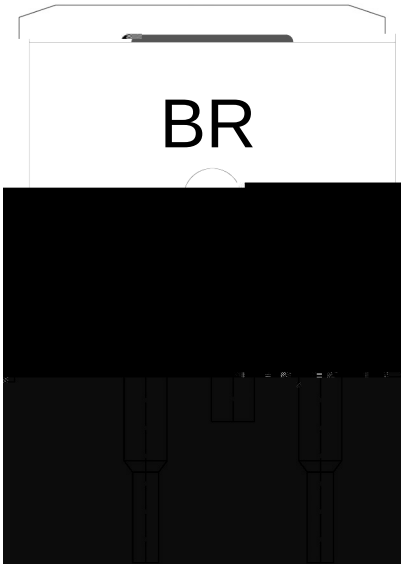
## Ø ¤ = ) ¢ / Package Dimensions




| | Max | | Min | Max | | Min |
|---|---|---|---|---|---|---|
| | 9.40 | A | 4.30 | 4.70 | E | 9.00 |
| | 2.74 | B | 1.00 | 1.40 | e1 | 2.34 |
| | 4.88 | | | | | |
| | 15.00 | 16.00 | b1 | 1.15 | 1.35 | L1 |



## , M y ƒ / Marking Instructions




ª ¢ y

( 8 y ¸ [ W A

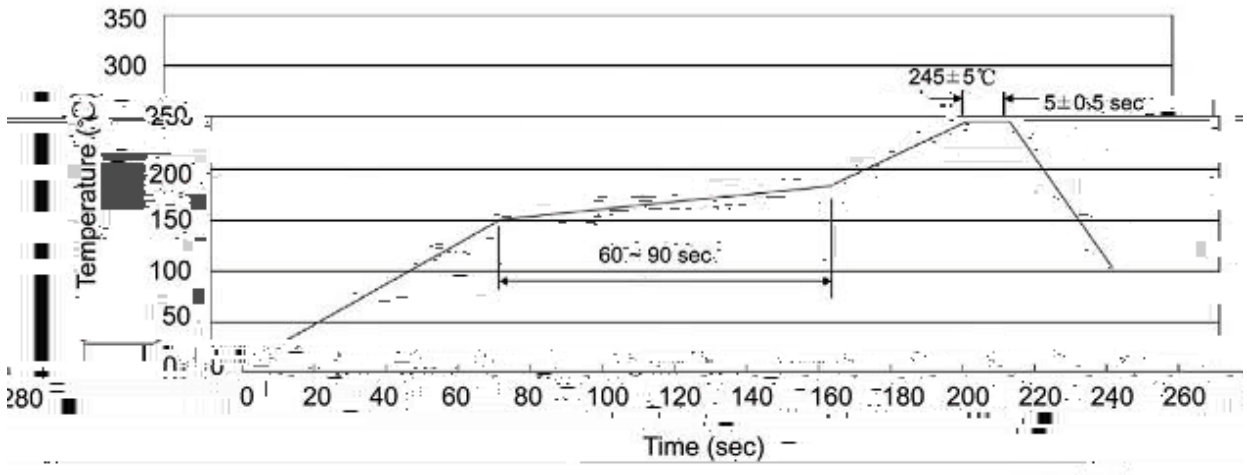
4 y º Z W A

y ÿ D Z W A k š ÿ D Z J ož

Note:

| | |
|---|---|
| BR: | Company Code |
| 12N65: | Product Type. |
| ****: | Lot No. Code, code change with Lot No. |

## š WD t … • Ž ¢ ( x / ) / : K S V K X G Z [ X K 6 X U L O R K L U X / 8 8 K L R U ] 9 U R J K X O T M 6




ª ¢ y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

## ÂD /Cã p ¯ » ] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

## G P á / Packaging SPEC.

2 & x / REEL

| Package Type ß m ù ´ | Units g m ô h | | | | | Dimension g m d Ê (unit ! mm³) | | |
|---|---|---|---|---|---|---|---|---|
| | Units/Reel / | Reels/Inner Box | Units/Inner Box / ç | Inner Boxes/Outer Box ç / ± | Units/Outer Box / ± | Reel | Inner Box ç | Outer Box ± |
| TO-263 | 800 | 1 | 800 | 5 | 4,000 | 13s ×24 | 360×360×50 | 385×257×392 |

ì ’ x / TUBE

| Package Type ß m ù ´ | Units g m ô h | | | | | Dimension g m d Ê (unit ! mm³) | | |
|---|---|---|---|---|---|---|---|---|
| | Units/Tube / Š • | Tubes/Inner Box Š • / ç | Units/Inner Box / ç | Inner Boxes/Outer Box ç / ± | Units/Outer Box / ± | Tube Š • | Inner Box ç | Outer Box ± |
| TO-263 | 50 | 20 | 1,000 | 5 | 5,000 | 532×33×7.0 | 555×164×50 | 575×290×180 |

## „ Ð y ƒ / Notices