

/ Descriptions

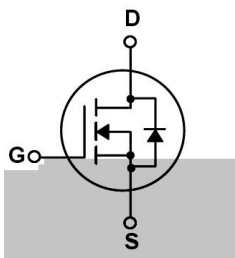
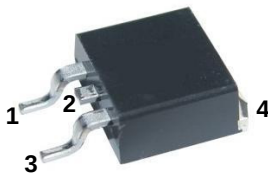
TO-263 N MOS N-CHANNEL MOSFET in a TO-263 Plastic Package.

/ Features

Low gate charge, low crss, fast switching.

/ Applications

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

/ Equivalent Circuit**/ Pinning**

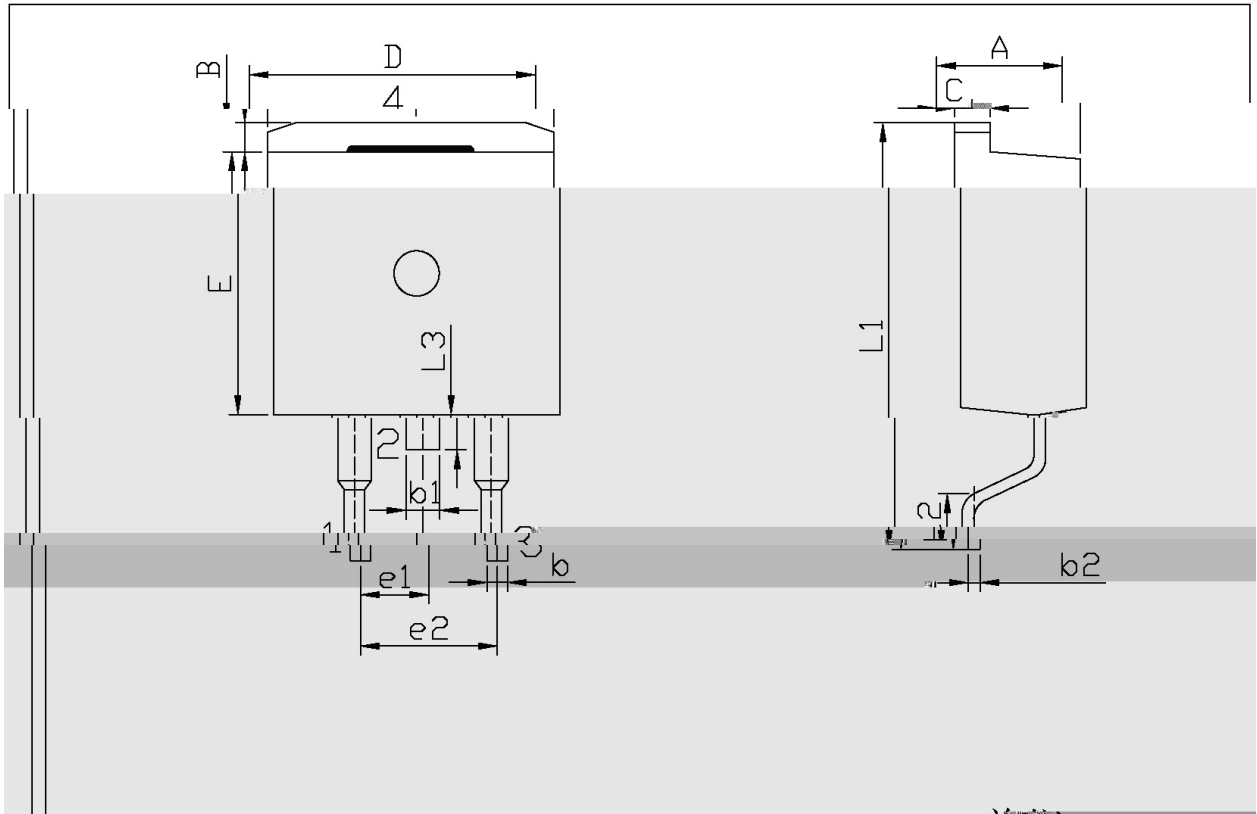
PIN1 G PIN 2,4 D PIN 3 S

/ h_{FE} Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	500	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	8.0	A
Drain Current	$I_D(T_c=100^\circ\text{C})$	5.1	A

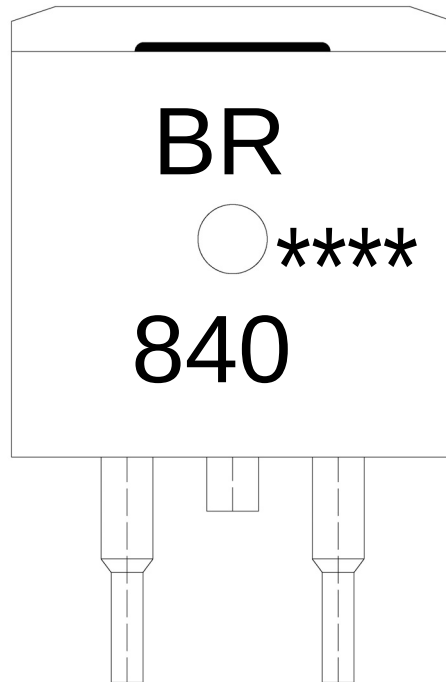
/ Package Dimensions



單位: mm

S		Dimensions In Millimeters		Symbol	Dimensions In Millimeter		
		Min	Max		Min	Max	
		A	4.30		4.70	E	9.00
		B	1.00	1.40	e ⁽¹⁾	2.34	2.74

/ Marking Instructions



BR

840

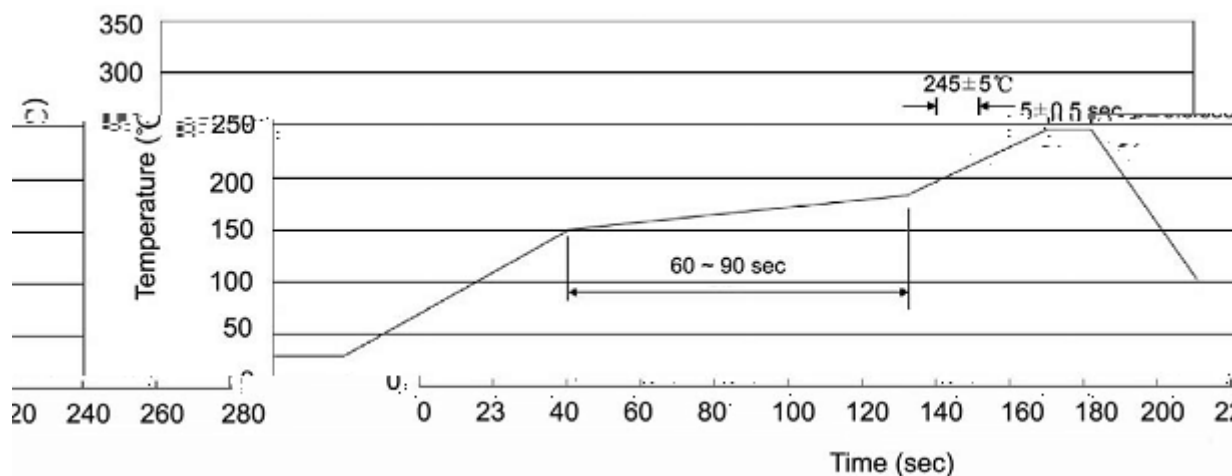
Note:

BR: Company Code

840: Product Type.

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-----|-----|----|----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245 | 5 | 5 | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260 ±5 10 ±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-263	800	1	800	5	4,000	13 ×24	560×350×105	385×257×392