

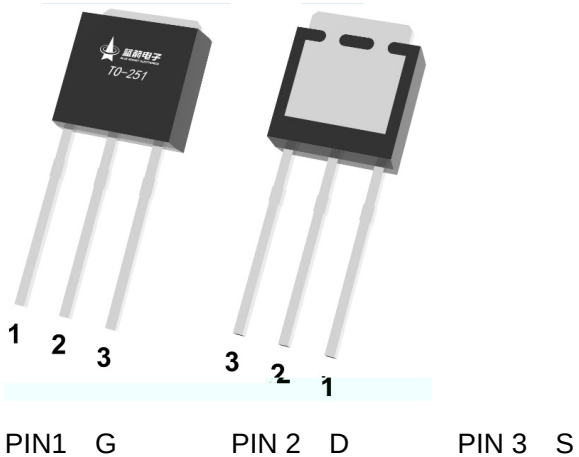
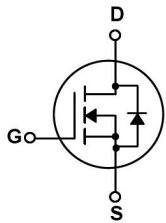
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TO-251 N MOS N-CHANNEL MOSFET in a TO-251 Plastic Package.

Low gate charge, low crss, fast switching, HF Product.

DC/DC

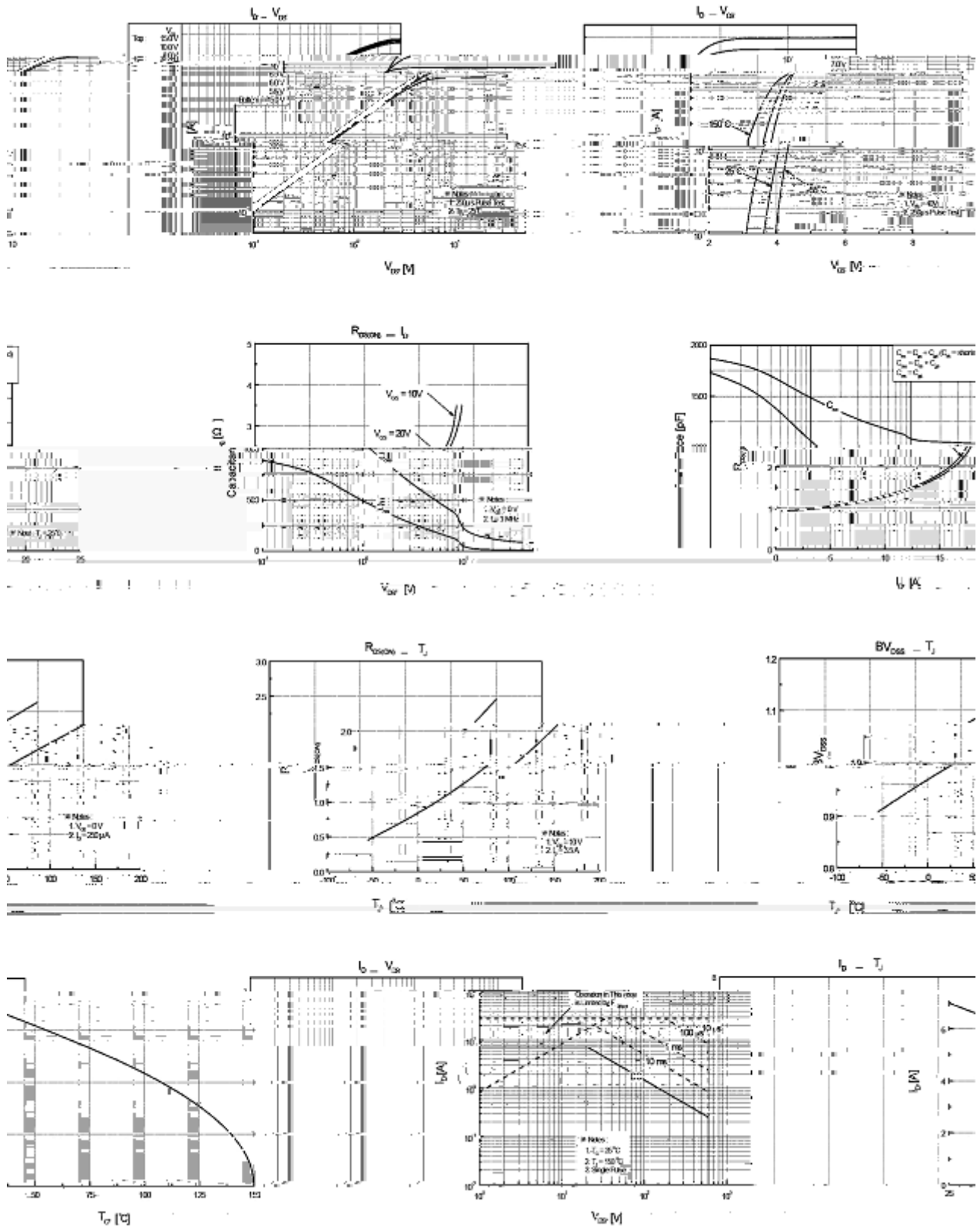
These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.



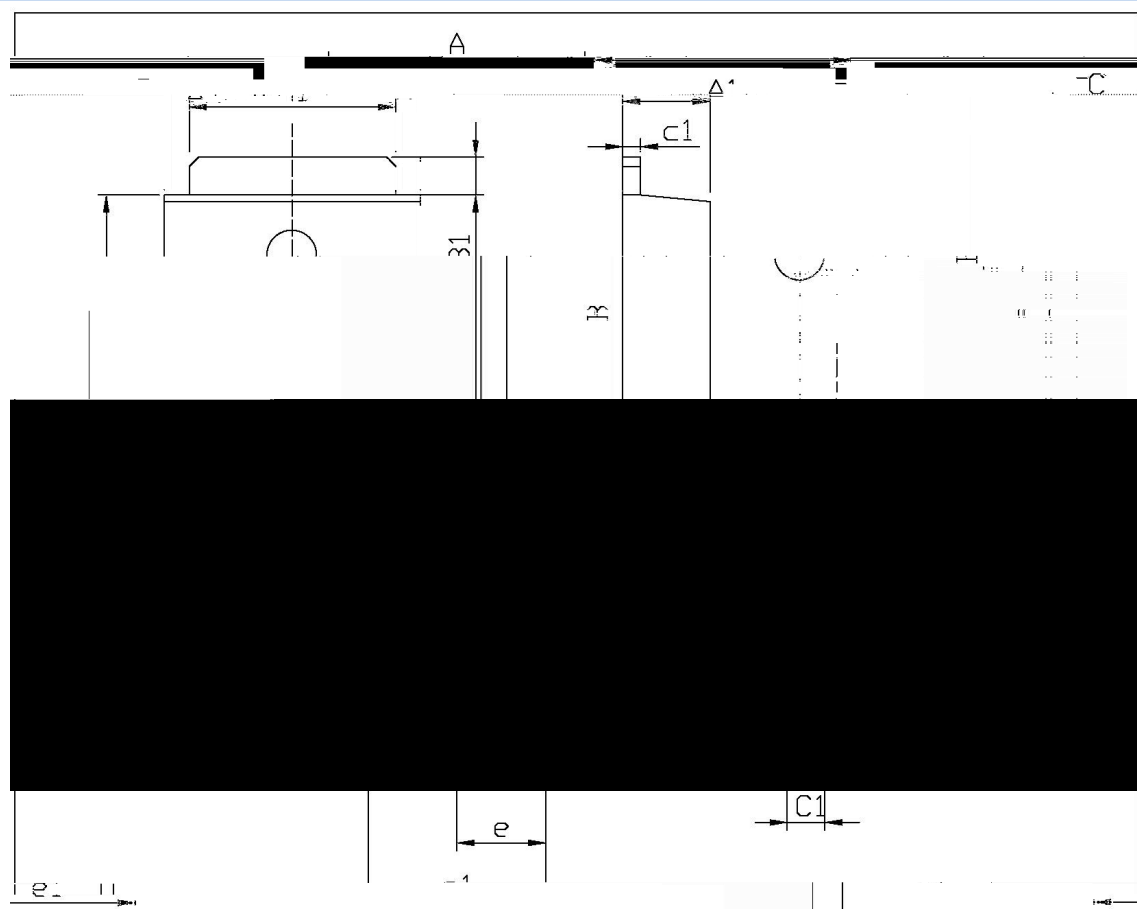
See Marking Instructions.

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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	650	V
Drain Current	$I_D(T_C=25^\circ\text{C})$	7.0	A
Drain Current	$I_D(T_C=100^\circ\text{C})$	4.4	A
Drain Current - Pulsed	I_{DM}	28	A
Gate-Source Voltage	V_{GS}	± 30	V
Single Pulsed Avalanche Energy	E_{AS}	230	mJ
Repetitive Avalanche Energy	E_{AR}	14.7	mJ
Avalanche Current	I		



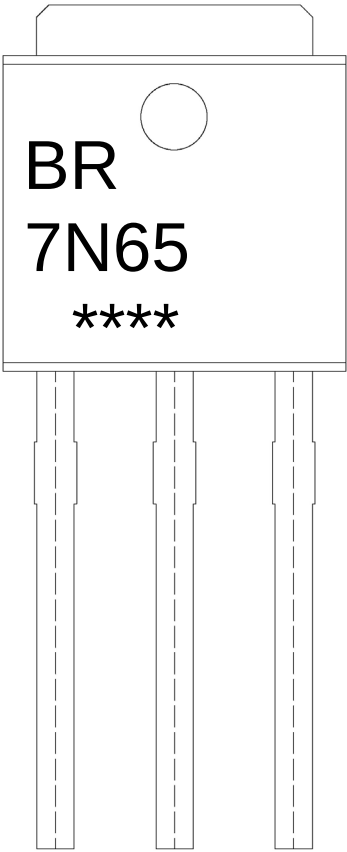
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单位: mm

Dimensions in Millimeters		Symbol		Dimensions in Millimeters		Symbol		Dimensions in Millimeters									
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min								
5.00	5.50	5.00	5.50	5.00	5.50	5.00	5.50	5.00	5.50								
B	5.95	6.25	C	0.45	0.55	B1	0.95	1.25	C	2.20	2.40	C1	0.45	0.55			
C	2.20	2.40	C	2.20	2.40	C	2.20	2.40	C	2.20	2.40	C1	0.95	1.15	e1	4.43	4.73

TC-251



BR

7N65

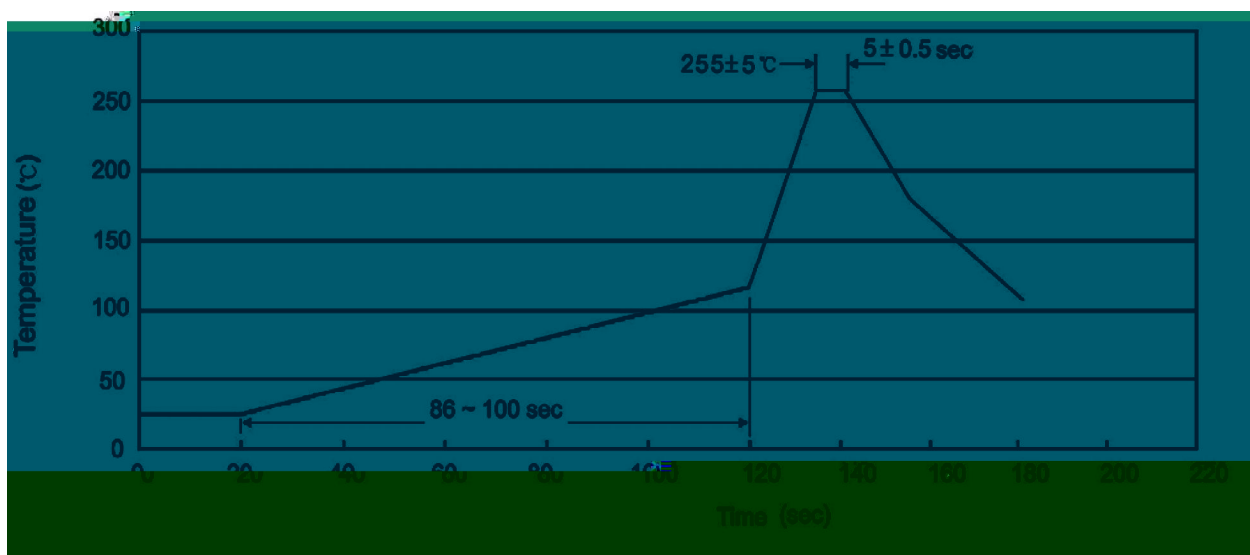
Note:

BR: Company Code

7N65: Product Type

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

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Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5sec; | | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

270±5

10±1 sec.

Temp.:270±5°C

Time:10±1 sec

/ BULK

Package Type	Units					Dimension (unit ㎜ mm ³)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-251	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit ㎜ mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180