/ Descriptions

TO-220 ɱɱ Ь N ʓ MOS ʃʄ ѽ Ƶ ٦ N-CHANNEL MOSFET in a TO-220 Plastic Package.

/ Features

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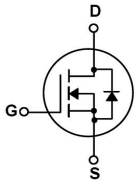
Low gate charge, Low Crss , Fast switching.

/ Applications

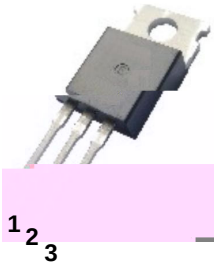
ɛ ŋ ʒ ƿ ɔ ѽ ' Â ɥ ɔ ◊ DF2GF ı ' ƹ Ω

It is very suitable for various AC/DC power conversion in switching mode operatio for system miniaturization and higher efficiency.

/ Equivalent Circuit



/ Pinning

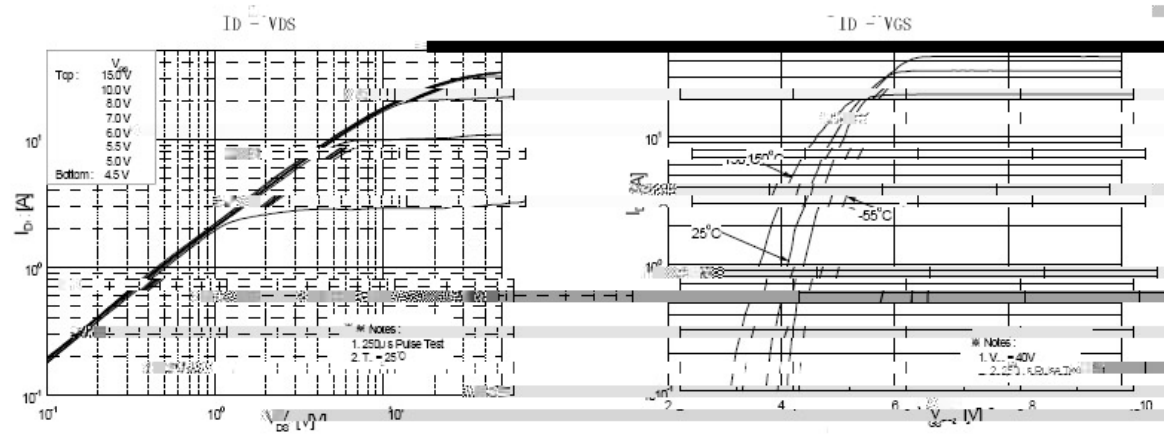


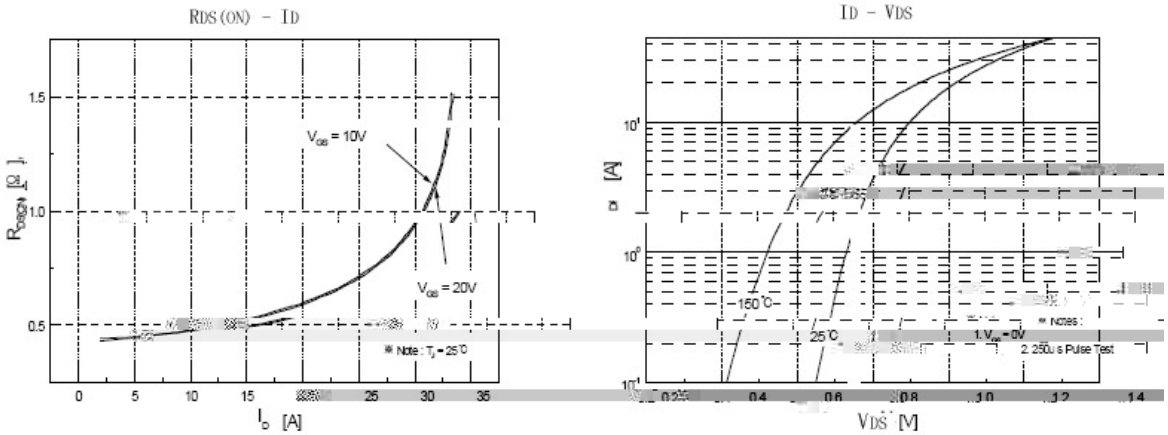
PIN1 χ G PIN 2 χ D PIN 3 χ S

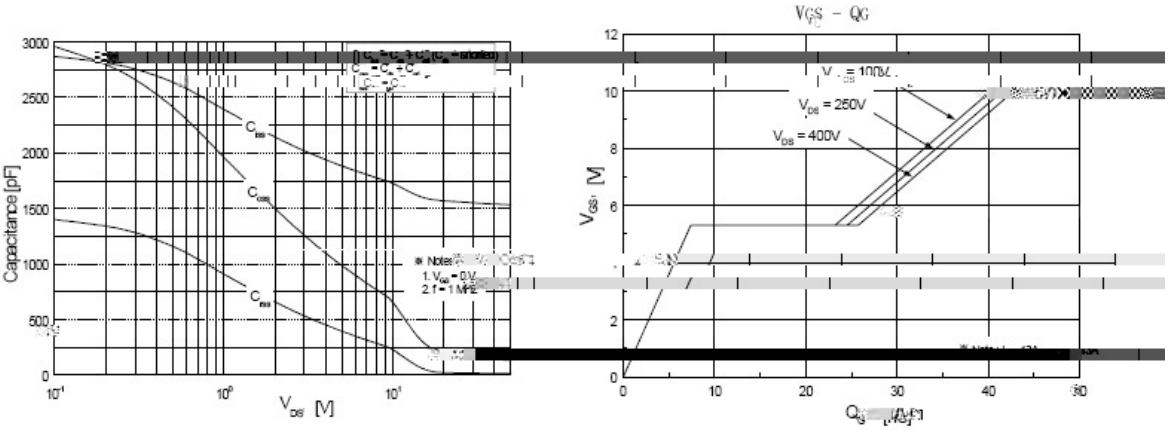
/ h_{FE} Classifications & Marking

ȸ м ٦ ب ˝ See Marking Instructions.

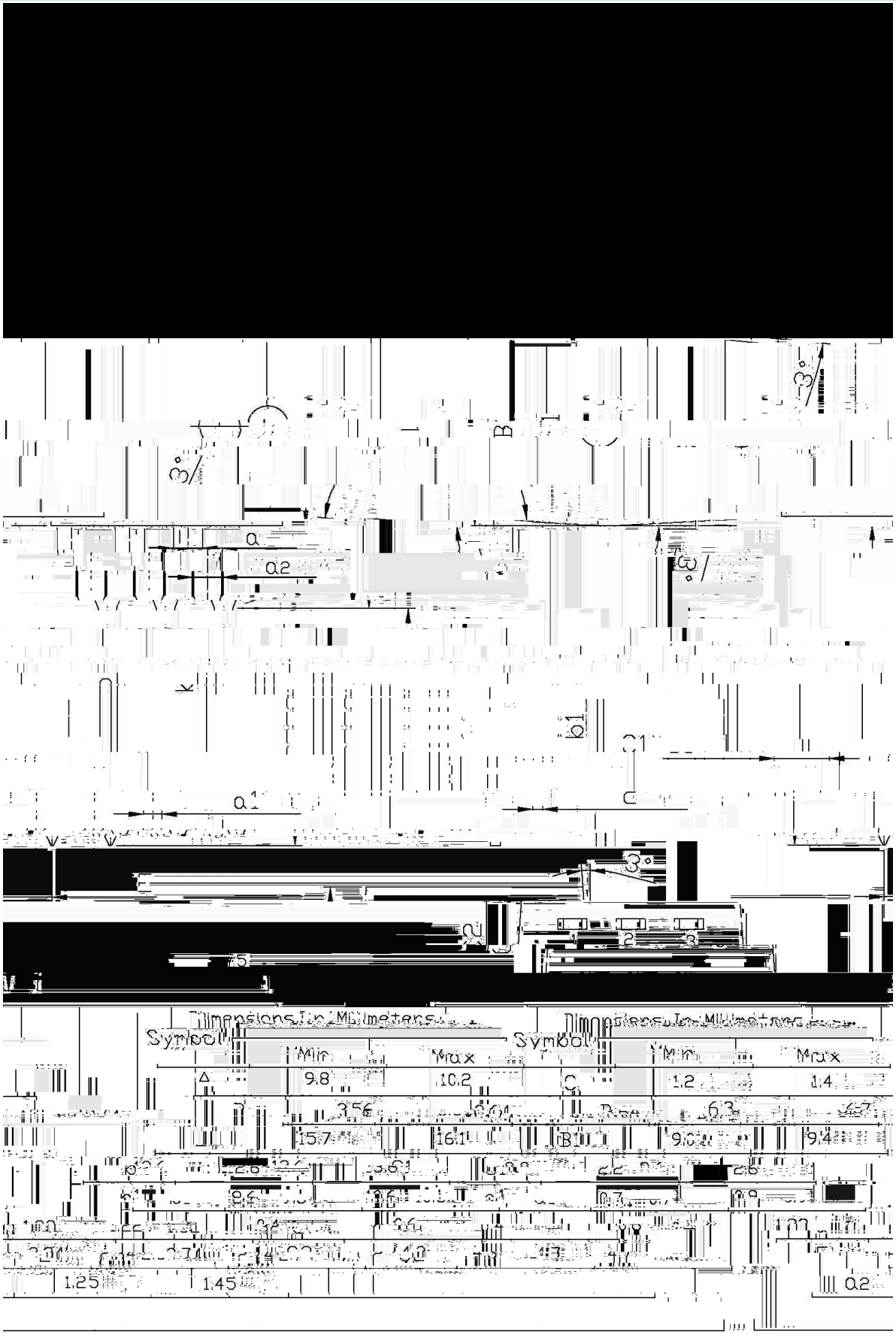
/ Electrical Characteristic Curve



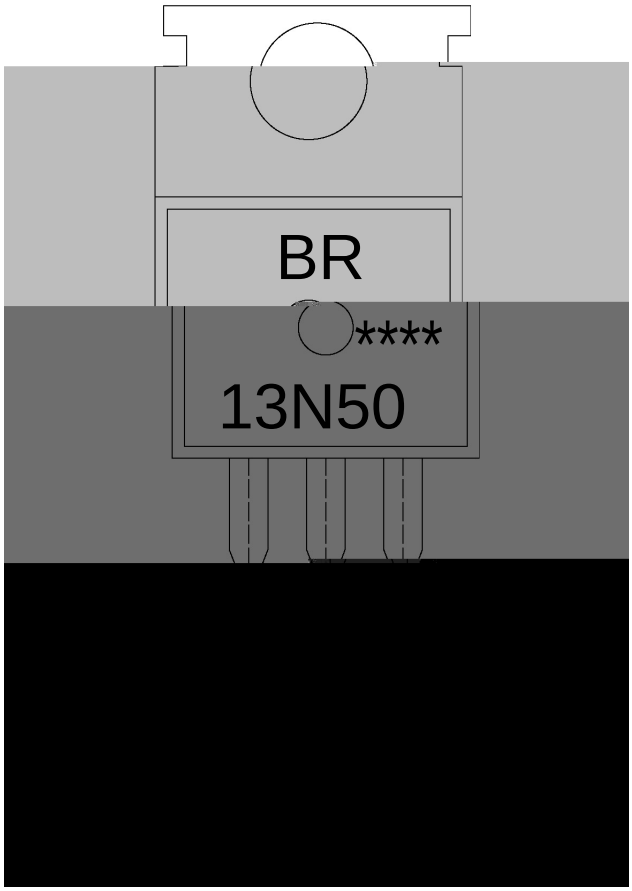




/ Package Dimensions



/ Marking Instructions



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BR χ	ѭ ϗ ᴎ Ղϧ
46Q83 χ	ѭ ϳ ᴺ Ղϧ
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Note:

BR:	Company Code
13N50:	Product Type.
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)

ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ɬ ı `H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı `H ڑ `Y ﾊ ㎞ 5 ° 0.5sec;

3 ì ˙ ｲ ˛ ɔ ଌ ỷ ㎞ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ɬ `H ڑ χ 10 ° 1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

¨Ω ţ ｲ Ł / BULK

Package Type	Units					Dimension		(unit mm³)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

˛ ｱ ｲ Ł / TUBE

Package Type	Units					Dimension		(unit mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices