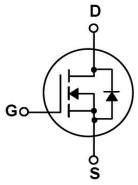
TO-220 Ṃ Ṃ Ŀ N ǰ MOS ʃ ɷ̃ Ẓ ˥ N-CHANNEL MOSFET in a TO-220 Plastic Package.

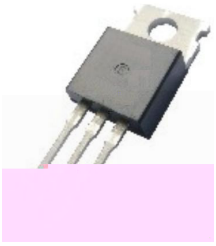
Ɥ ɔ ɔ я г ᵇ ɵ ʒ ɔ ḳ ṇ Ầ ʉ ʙ ỷ ồ

Low gate charge, Low Crss , Fast switching.

ɤ̂ ̂ ṇ ʒ ɒ ɤ ɷ̃ ' Ầ ʉ ɔ ◊ DF2GF ı ' ɕ Ω

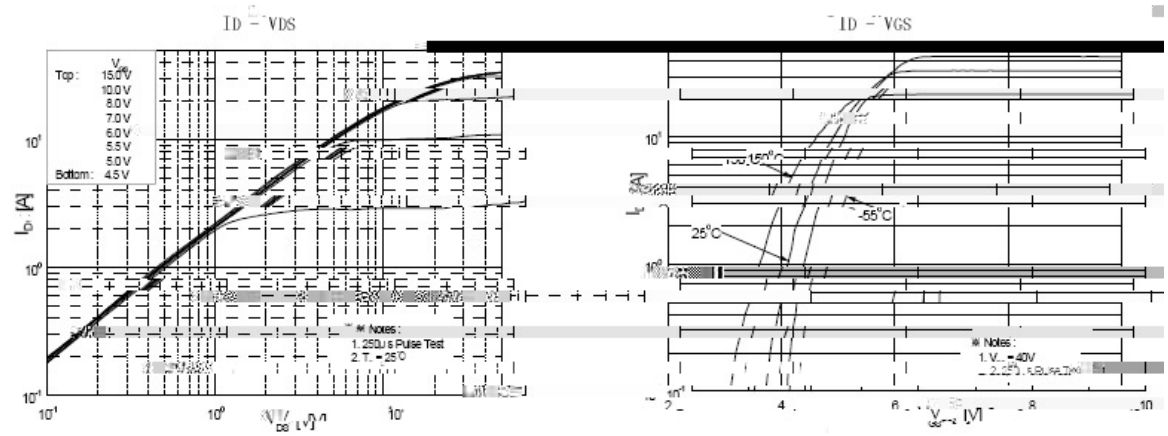
It is very suitable for various AC/DC power conversion in switching mode operatio for system miniaturization and higher efficiency.

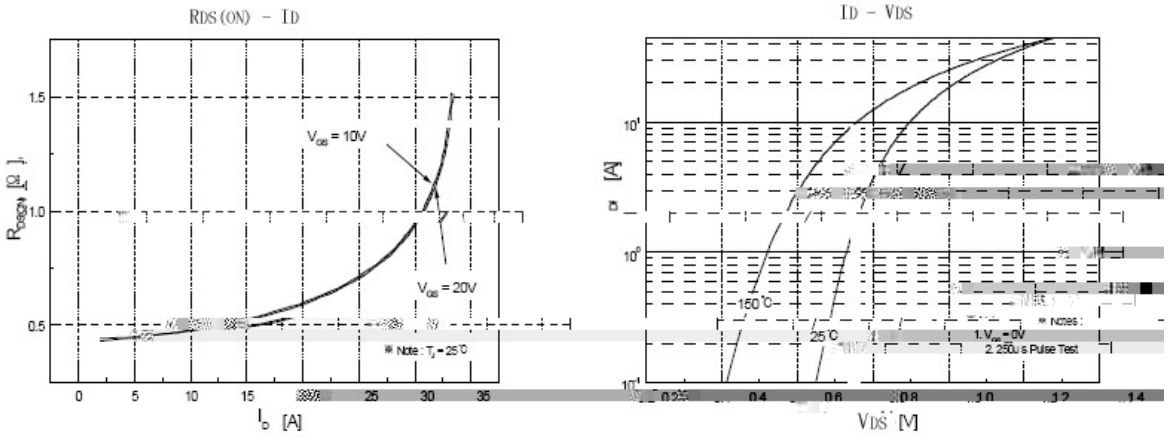


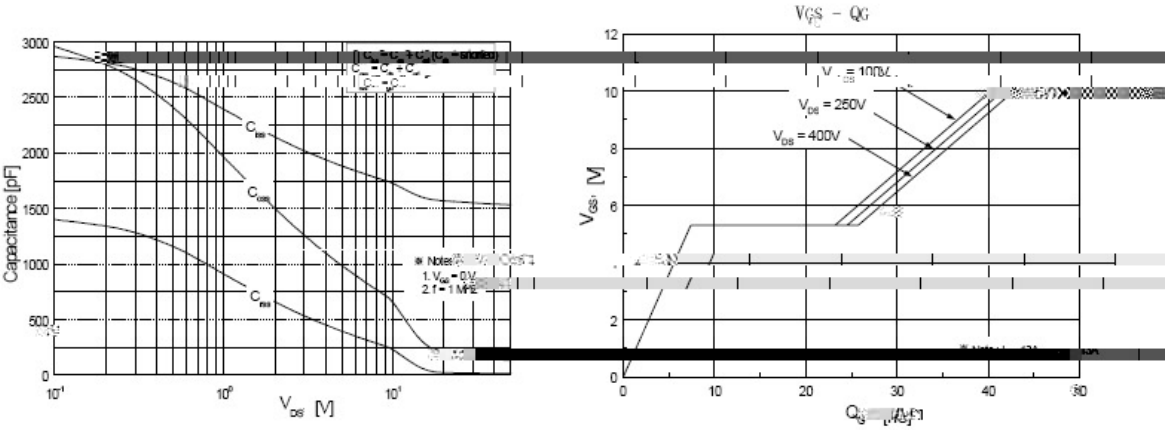


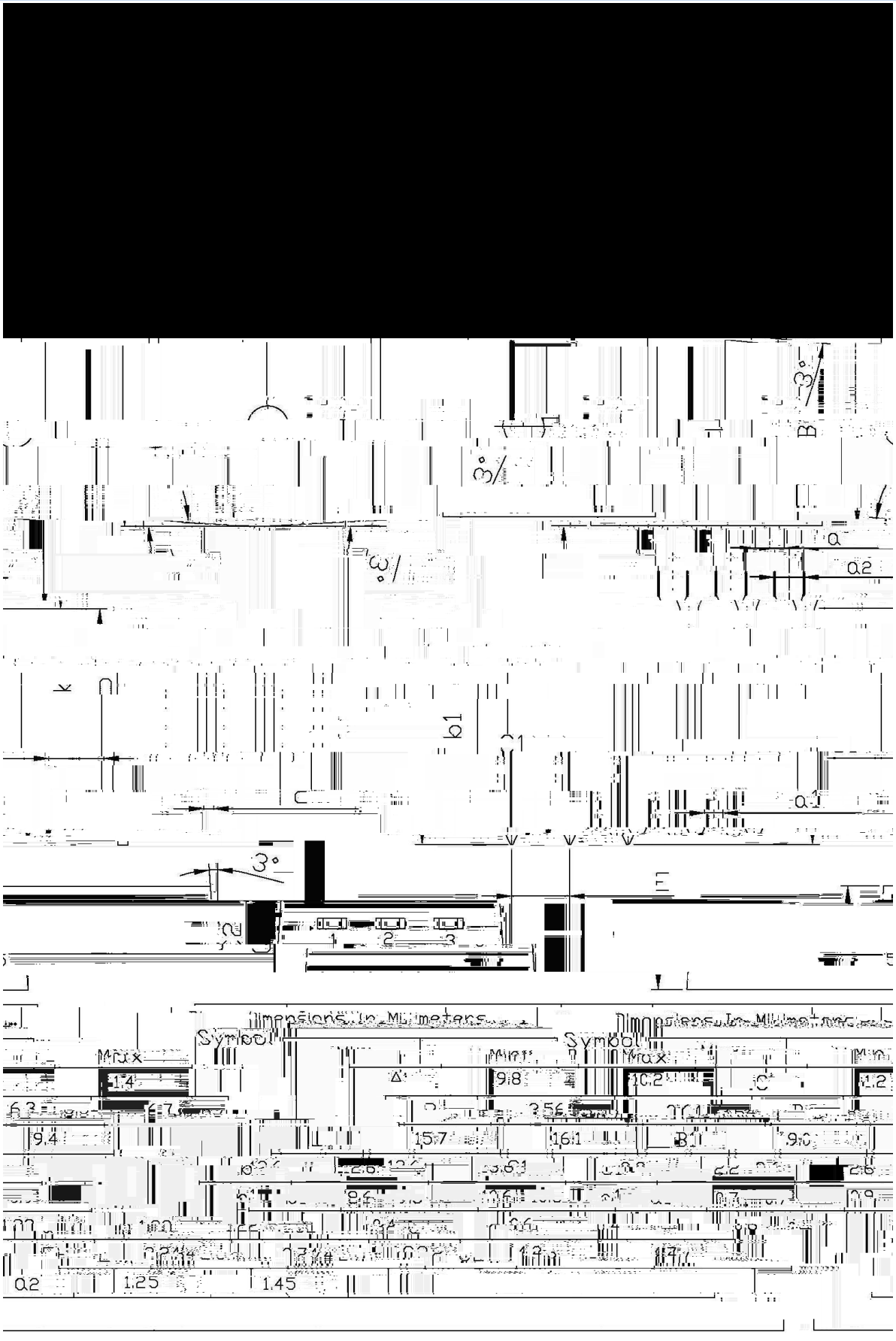
PIN1 χ G PIN 2 χ D PIN 3 χ S

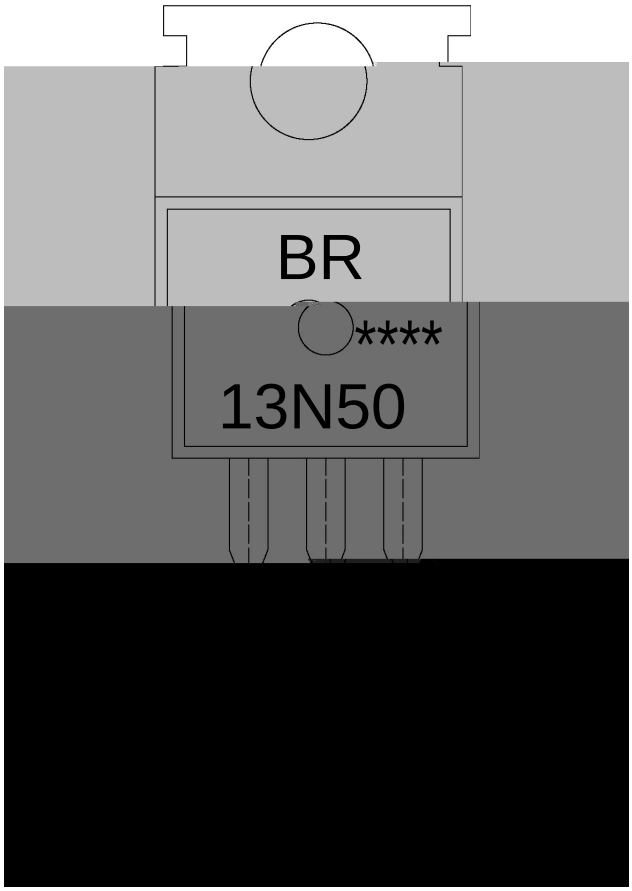
ð м ˥ ب ˝ See Marking Instructions.


ID - VDS
Top :
Bottom :
* Notes :
1. 250μs Pulse Test
2. TC = 25°C
ID - VGS
150°C
25°C
-55°C
* Notes :
1. VDS = 40V
2. 250μs Pulse Test


RDS(ON) - ID
VGS = 10V
VGS = 20V
* Note : TJ = 25°C
ID [A]
ID - VDS
150°C
25°C
* Notes :
1. VGS = 0V
2. 250μs Pulse Test
VDS [V]


Capacitance [pF]
Ciss
Coss
Crss
* Notes :
1. VGS = 0V
2. f = 1MHz
VDS [V]
VGS - QG
VDS = 250V
VDS = 400V
VGS [V]



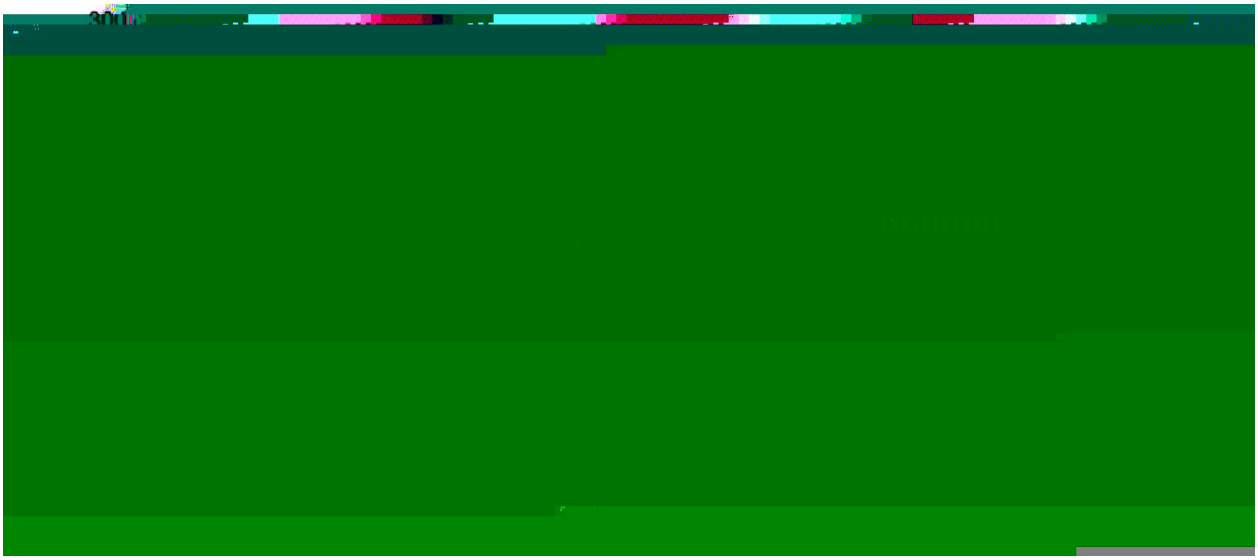


ب ˝ χ

BR χ	ѭ ʒ ᴵ ᴵ
46Q83 χ	ѭ ʒ ᴺ ᴵ
---- χ	ѭ ɨ ɾ ŋ̈ ᴺ ᴵ ɪ ɞ ɨ ɾ ŋ̈ ᴺ ᴹ ᴾ

Note:

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



ب ˝ χ

1 ʃ ♬ □ ỷ 25 Ḱ 150 ɬ ı ˋH ڑ 60 Ḱ 90sec;

2 Š Ö □ ỷ 255 ° 5 ɬ ı ˋH ڑ ˋY ⺈ ⺮ 5 ° 0.5sec;

3 ì ˙ ⺈ ˛ ɔ ھ ỷ ⺮ 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.

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

ˋΩ̣ τ γ ⊢ / 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-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

˘ ⺈ γ ⊢ / 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-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180