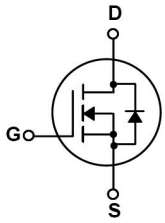
TO-220 N MOS N-CHANNEL MOSFET in a TO-220 Plastic Package.

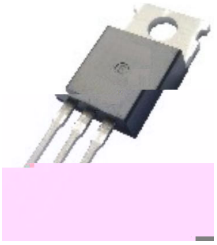
, ,

Low gate charge, low crss, fast switching.

DC/DC

.Suited for low voltage applications such as automotive,DC/DC Converters,and high efficiency switching for power management in protable and battery operated products.





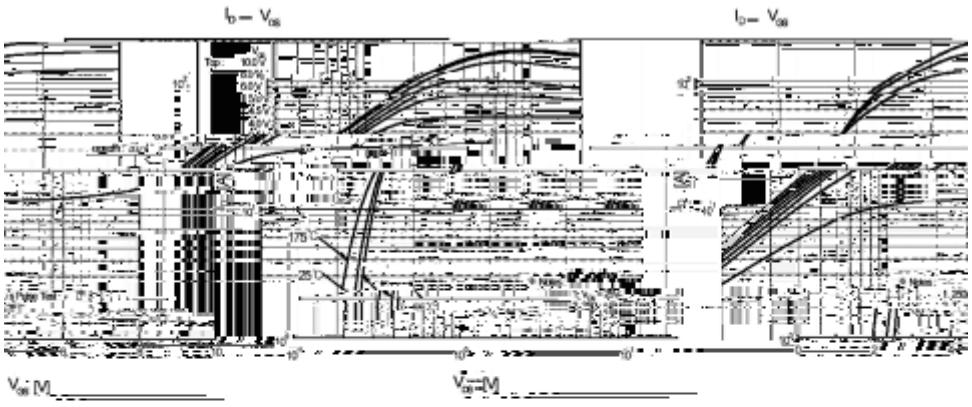
PIN1 G PIN 2 D PIN 3 S

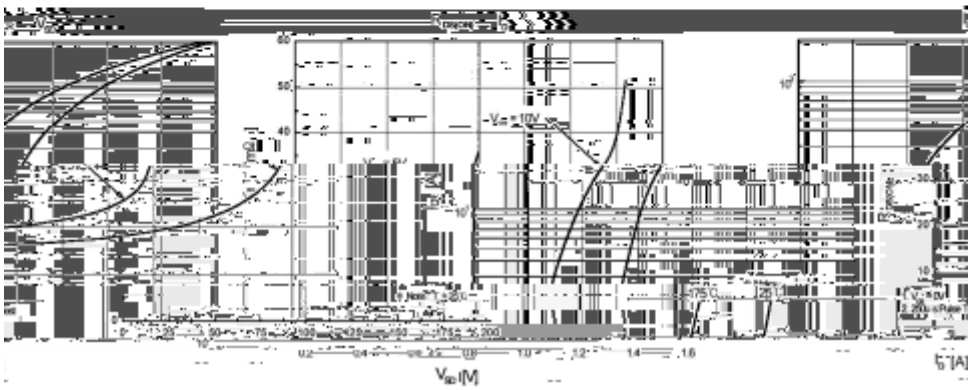
See Marking Instructions.

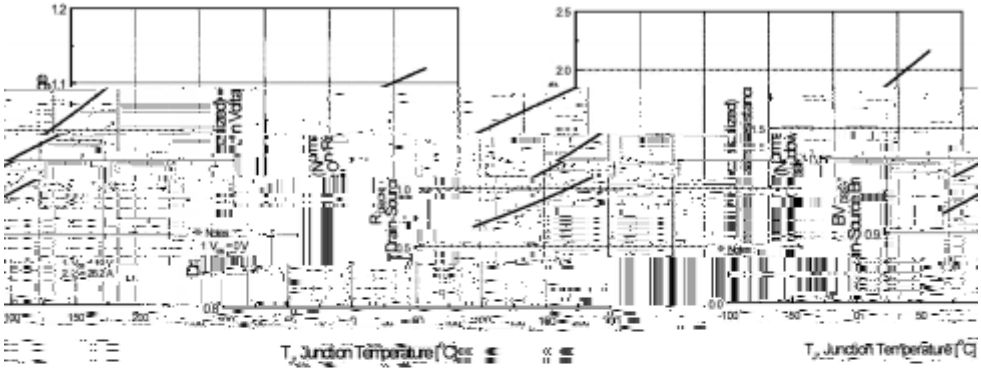
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	30	V
Drain Current	I_D(Tc=25)	50	A
Pulsed Drain Current	I_{DM}	200	A
Gate-Source Voltage	V_{GSS}	± 20	V
Avalanche Current	I_{AS}	9.9	A
Single Pulsed Avalanche Energy	E_{AS}	147	mJ
Total Power Dissipation	P_D(Tc=25)	30	W
Junction and Storage Temperature Range	T_J,T_{STG}	-55 to 150	

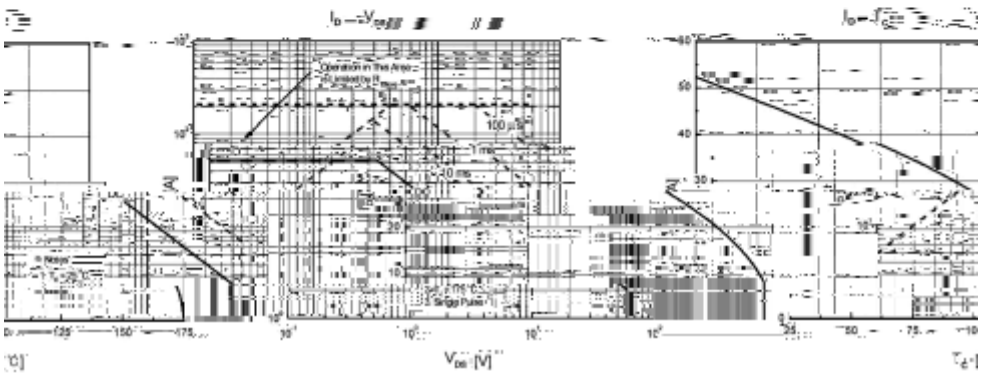
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit

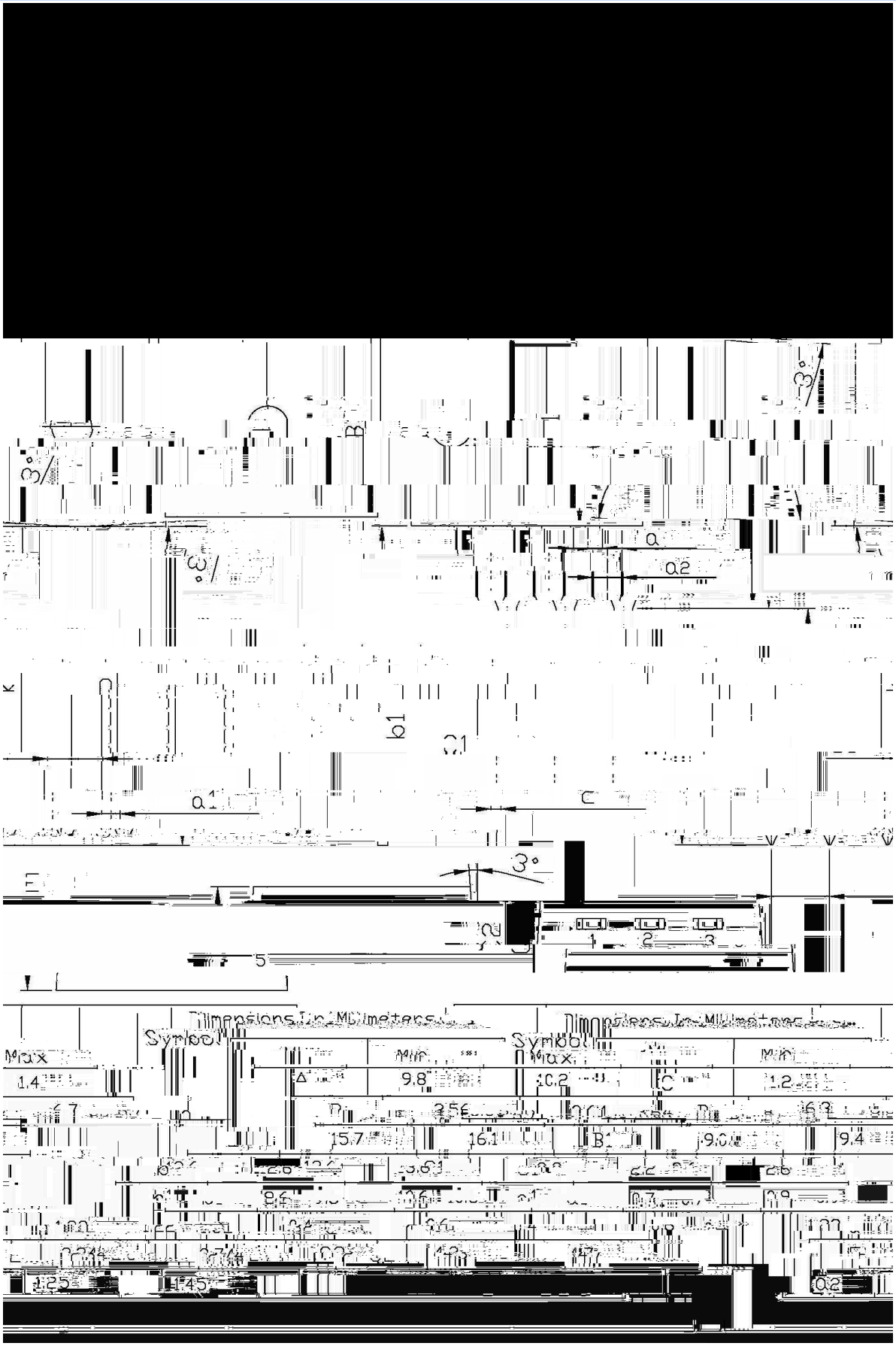
Zero Gate VoET8Tc01lt perauner(ent)-8811.4(1360(B.02 0 0 7.02 337.32 2 TmTot432.2-.0009 Tc.2Tw(DSS)Tj105 0

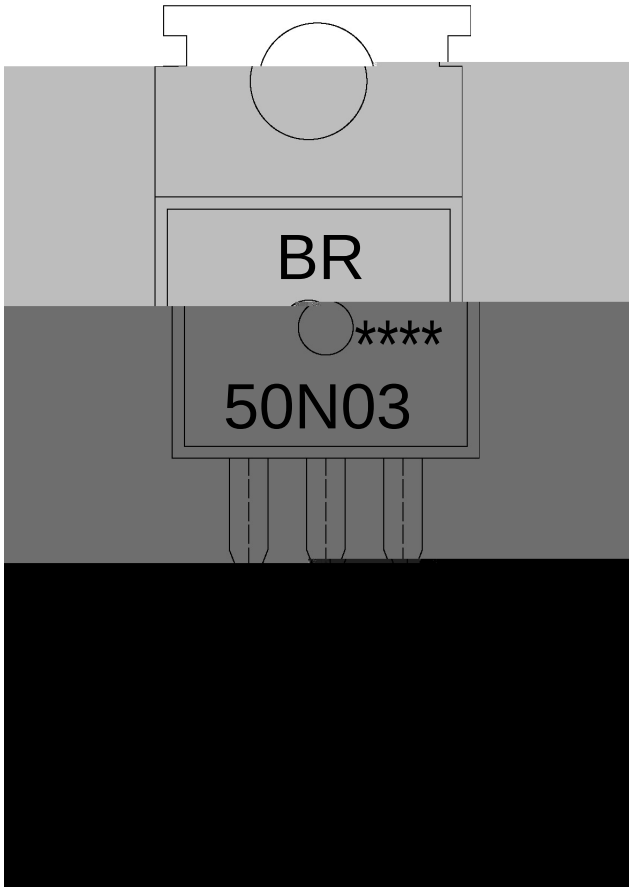












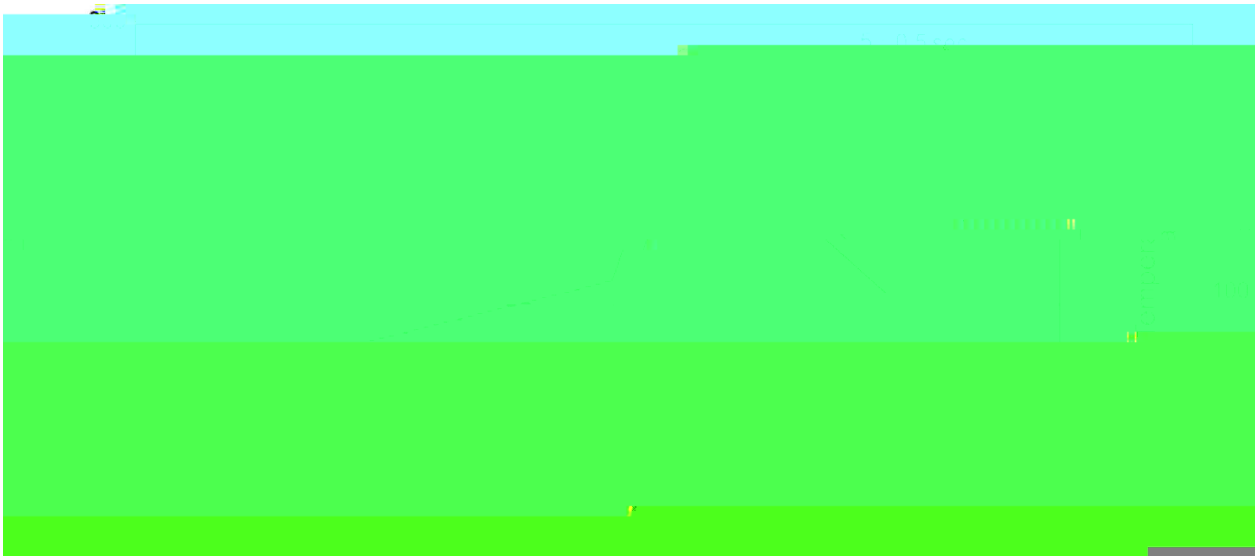
BR

50N03

****

Note:

BR:	Company Code
50N03:	Product Type.
****:	Lot No. Code, code change with Lot No.



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.

Note:

270±5 10±1 sec. Temp.:270±5 Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180