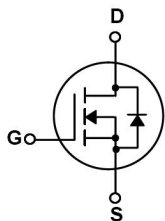


TO-220 N MOS N-CHANNEL MOSFET in a TO-220 Plastic Package.

Low gate charge, low crss, fast switching.

DC/DC

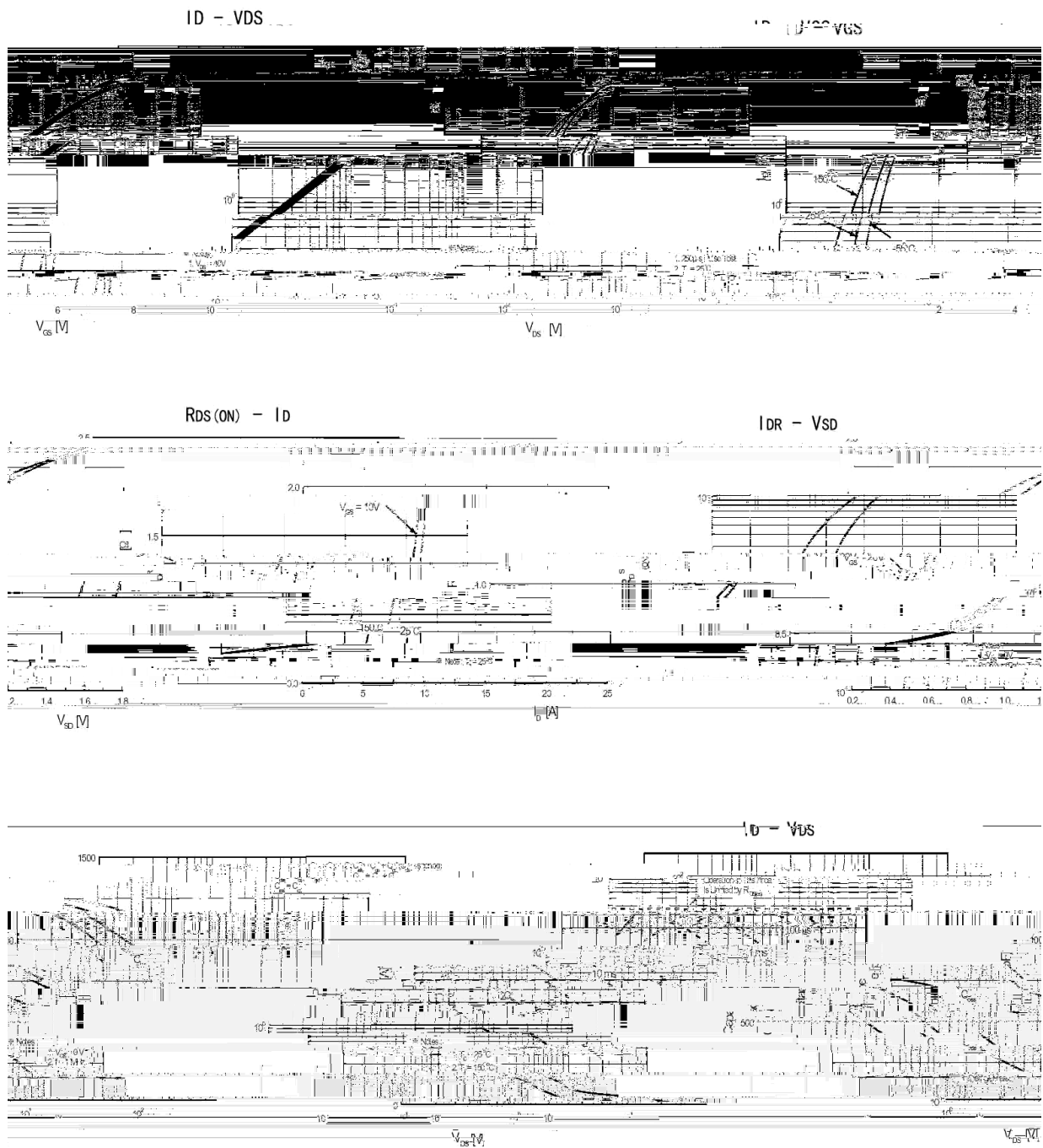
These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

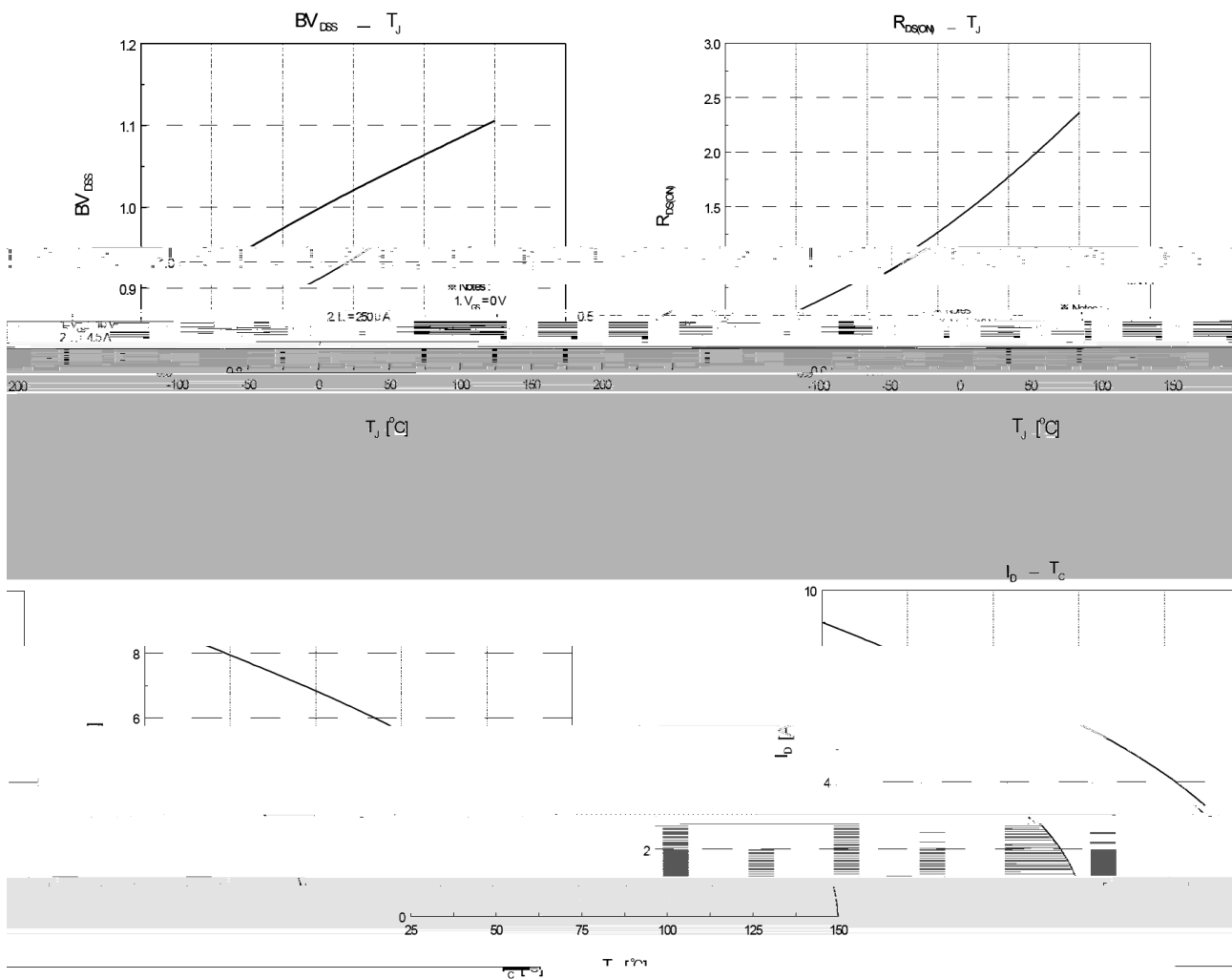


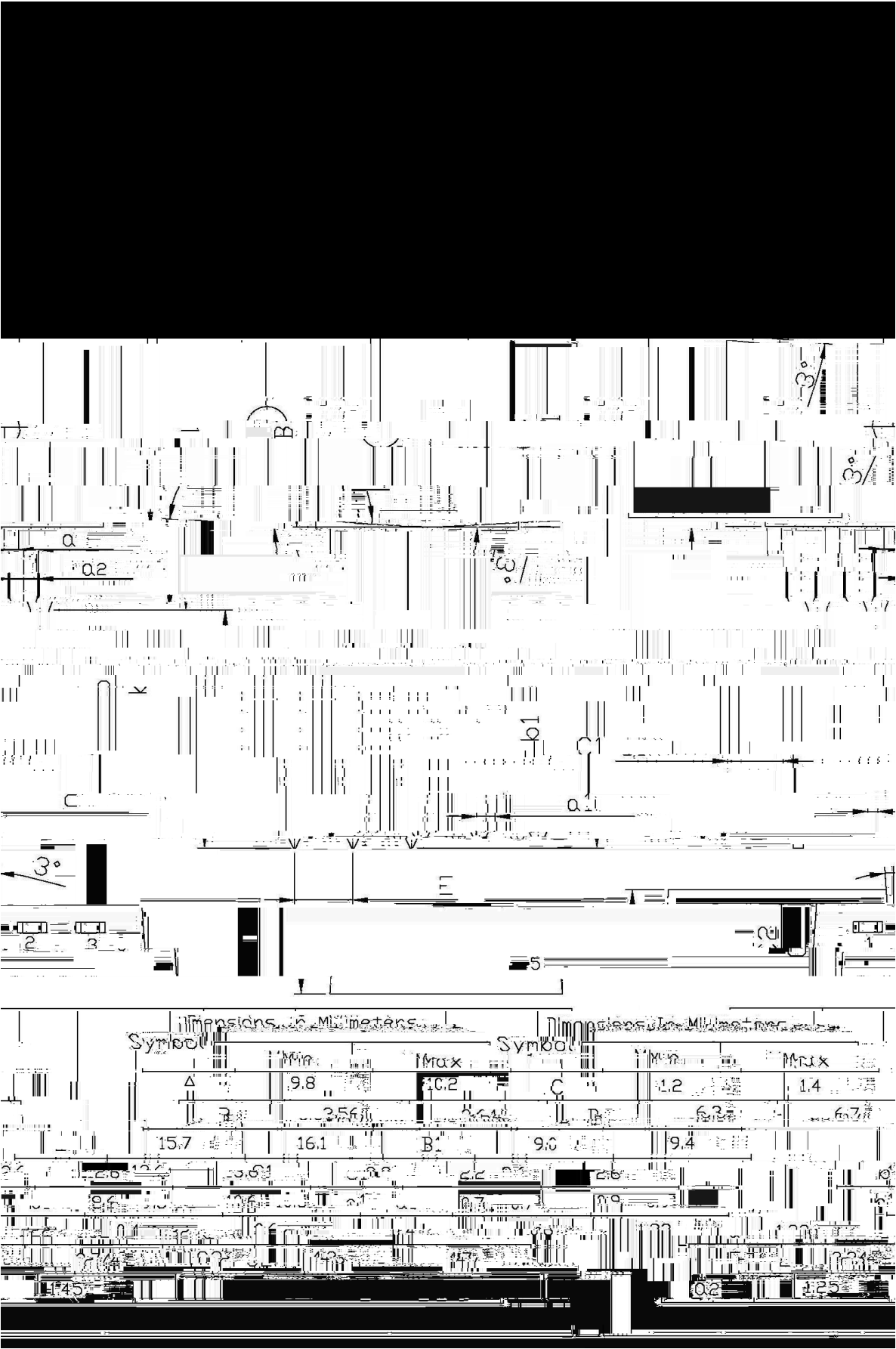
PIN1 G PIN 2 D PIN 3 S

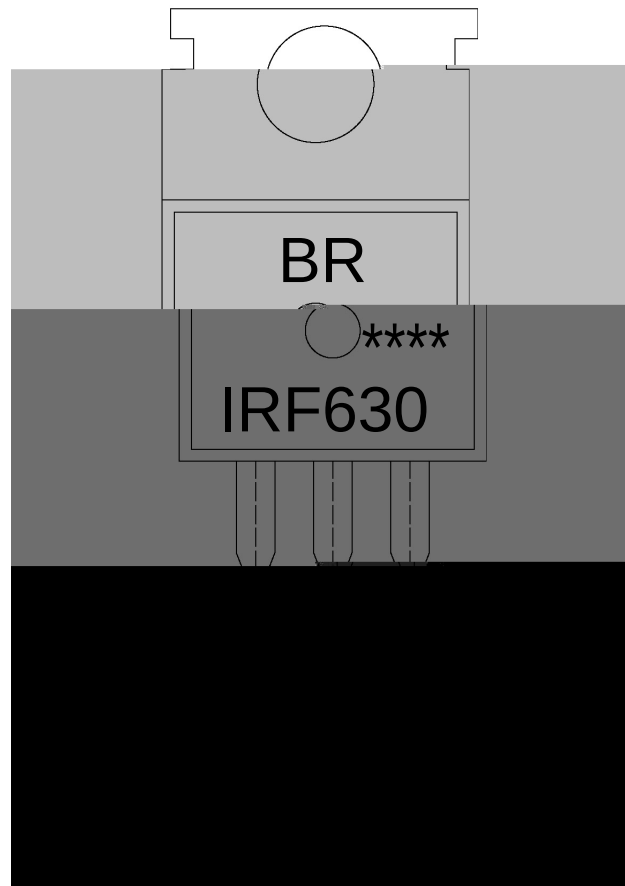
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	200	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	9.0	A
	$I_D(T_c=100^\circ\text{C})$	5.7	A
Pulsed Drain Current	I_{DM}	36	A
Gate-Source Voltage	V_{GSS}	± 30	V
Avalanche Current	I_{AR}	9.0	A
Single Pulsed Avalanche Energy	E_{AS}	162	mJ
Repetitive Avalanche Energy	E_{AR}	7.8	mJ
Total Power Dissipation	$P_D(T_c=25^\circ\text{C})$	72	W
Junction and Storage Temperature Range	T_J, T		









BR

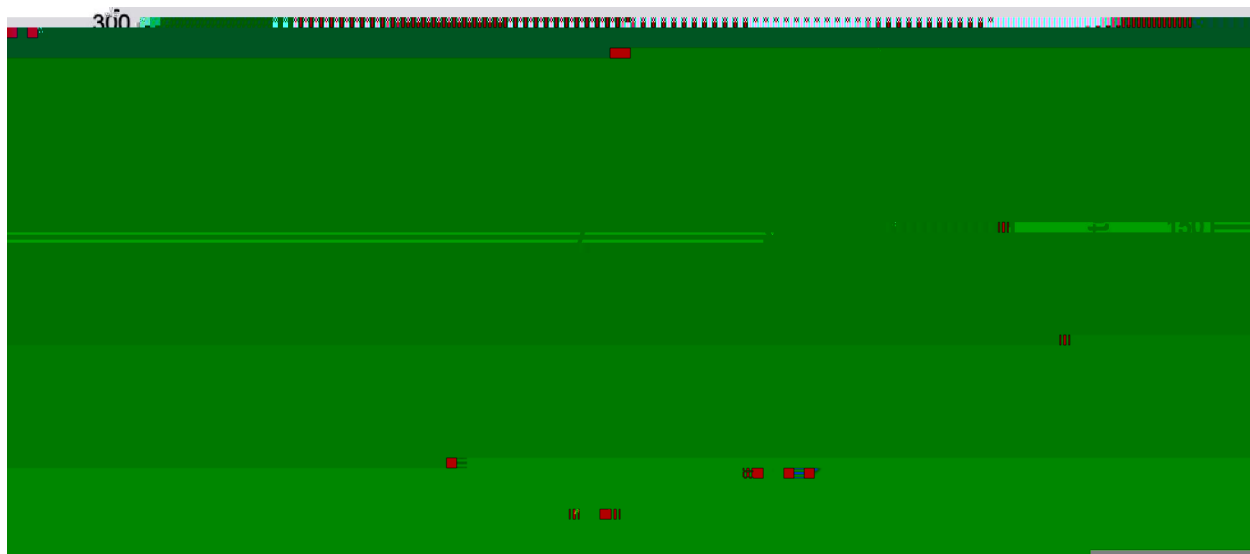
IRF630

Note:

BR: Company Code

IRF630: Product Type.

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



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

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-220/F	200	10	2,000	5	10,000	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-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180