

5 Ø / Descriptions

TO-252 .> // x N ?æ 3MOS « | o
 N-CHANNEL MOSFET in a TO-252 Plastic Package.

/“ / Features

$V_{DS}=60V$; $I_D=20A$

$R_{DS(on)}@10V$ 37m (Type.25m)

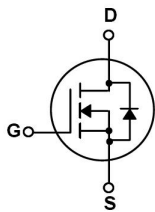
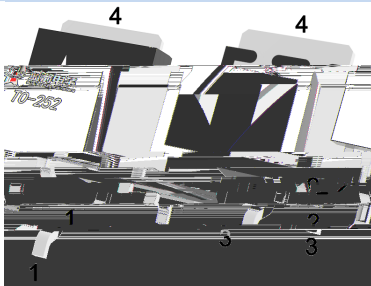
$R_{DS(on)}@4.5V$ 42m (Type.30m)

)í D }o HF Product.

— ÷ / Applications

9 , ýo o W y LED ° 9 ôE y c 5 v o

Boost converters and synchronous rectifiers for consumer, telecom, industrial power supplies and LED backlighting.

^ W] Ô / Equivalent Circuit**Û æ / Pinning**

PIN1 y G

PIN 2 y D

PIN 3 y S

PIN 4 y D

, M V / Marking

- ~ “ ¢o See Marking Instructions.

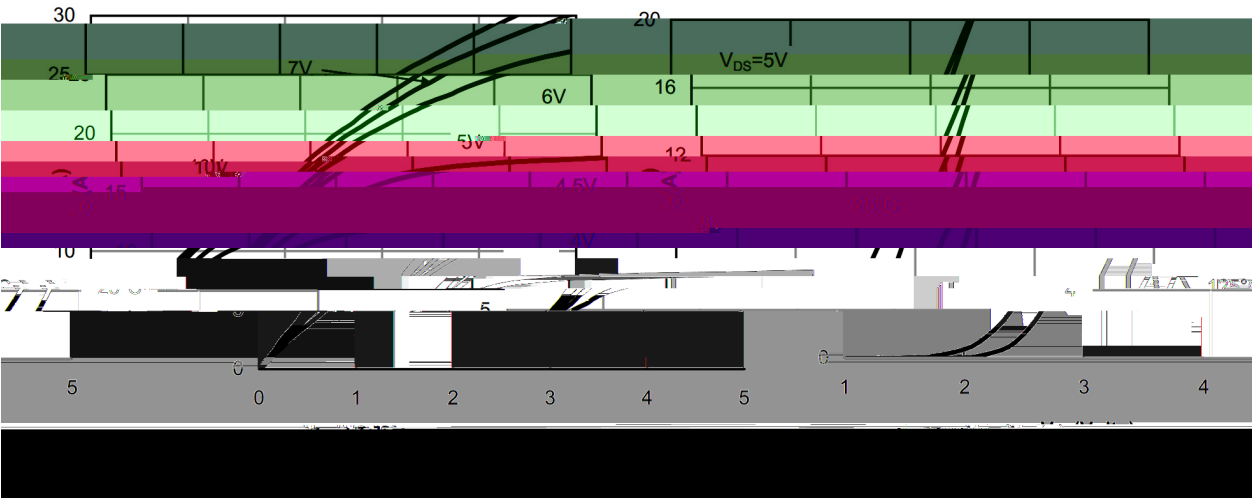
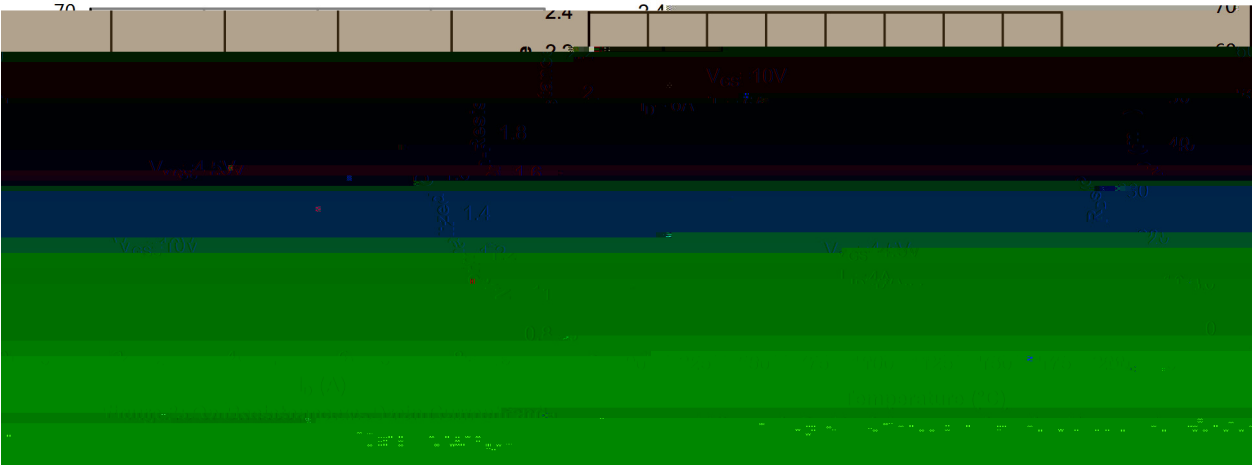
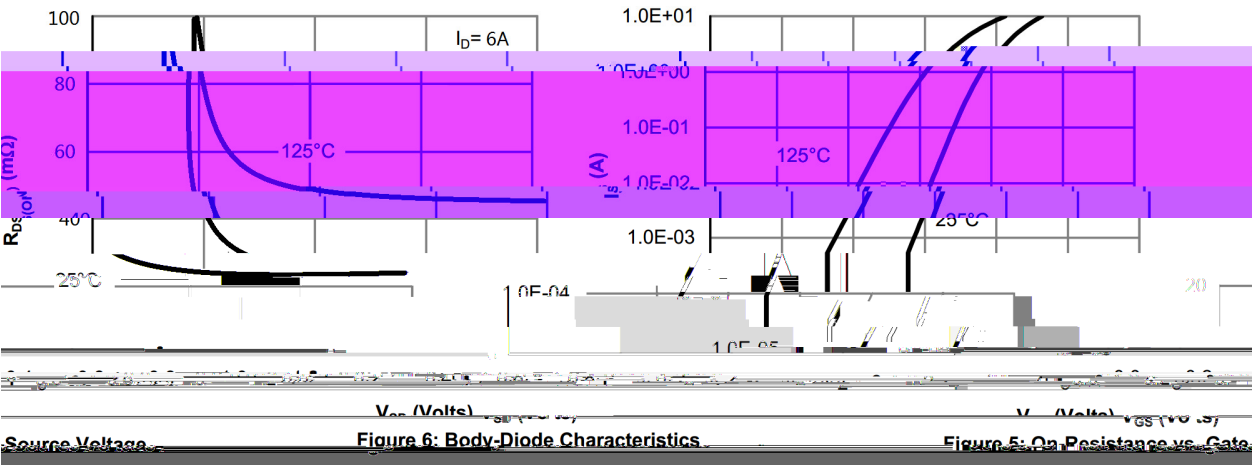
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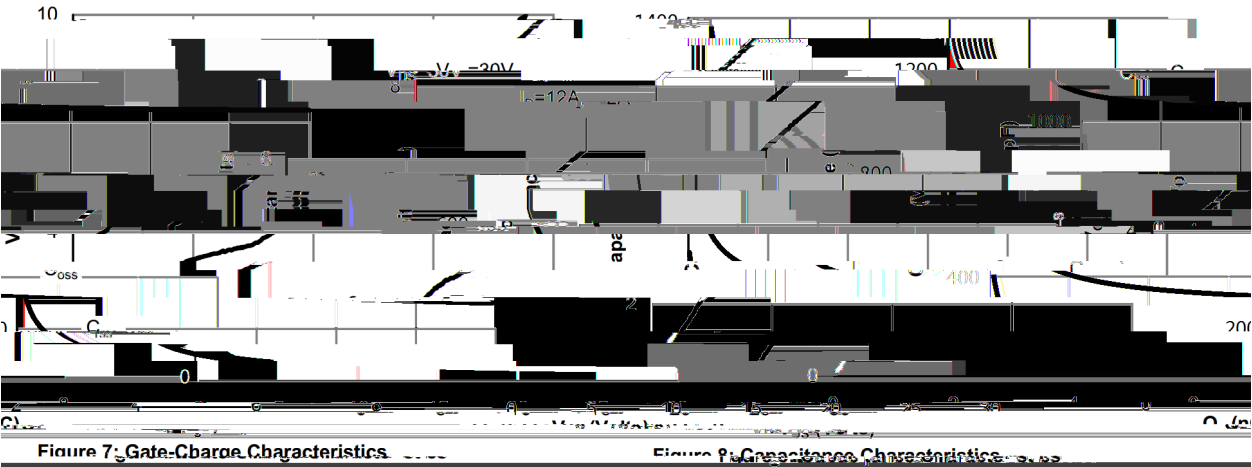
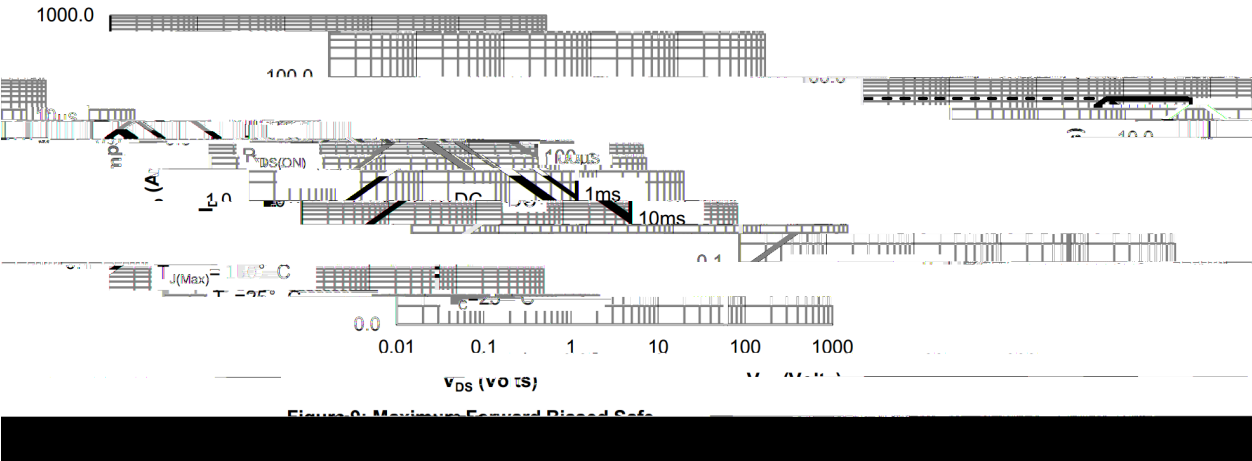
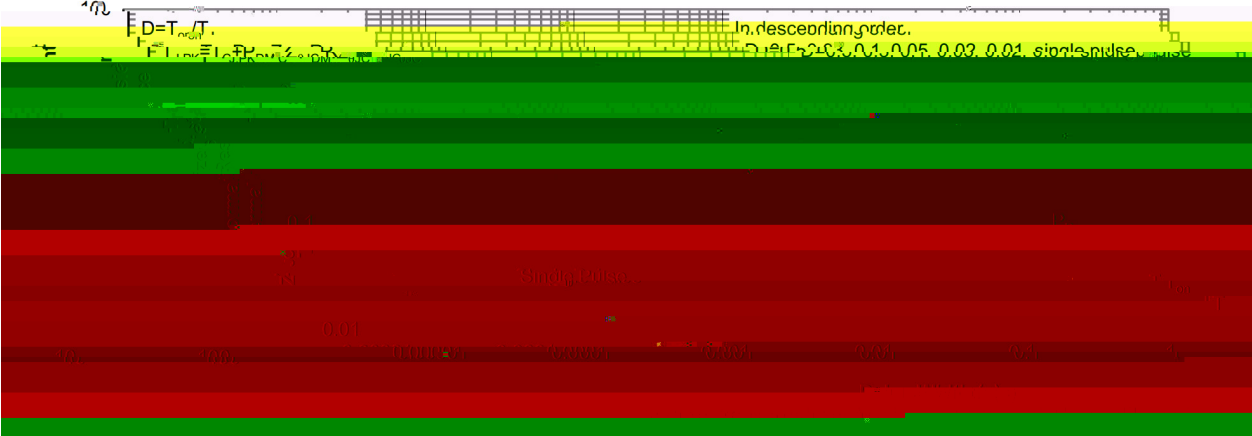
@ Parameter	Z Symbol	Rating	% y Unit
Drain-Source Voltage	V_{DS}	60	V
Drain Current	$I_D(T_C=25^\circ\text{C})$	20	A
Drain Current - Pulsed	I_{DM}	47	A
Gate-Source Voltage	V_{GS}	± 20	V
Avalanche energy($L=0.5\text{mH}$)	E_{AS}	58	mJ
Avalanche Current($L=0.5\text{mH}$)	I_{AS}	13	A
Power Dissipation	$P_D(T_C=25^\circ\text{C})$	33.6	W
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to 150	

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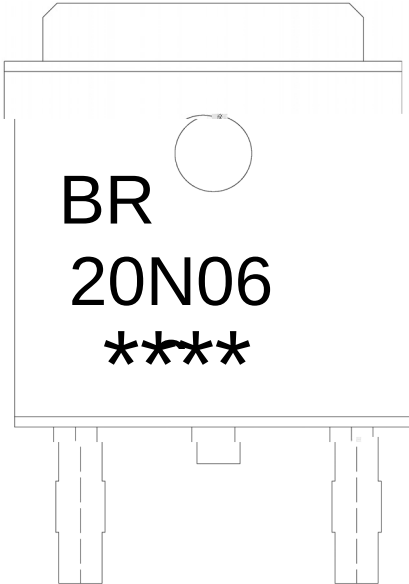
Electrical Characteristic Curve



Electrical Characteristic Curve



, M y / Marking Instructions



“ ¢ y
BR y , [W A
20N06 y ” Z W A
y ÿD Z W A k ÿD Z J
Note:
BR: Company Code
20N06: Product Type
****: Lot No. Code, code change with Lot No

WD t ¢ (x /) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

“ ¢ y

1o ~ % 150 %180 - k 60 %90sec;
2o Q 245 r5 - k 4 Ò 5 r0.5sec;
3o D N òi Ò , 2 %10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.
2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
3. anceJ /TT6 to Solder.6(14012 H)-2me:73 1 est Condi7 1 s