

5 é / Descriptions

TO-263 .> / N?ú 3 « | • 'ož N-CHANNEL MOSFET in a TO-263 Plastic Package.

□ ª / Features

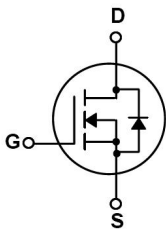
$V_{DS}=100V$ $I_D=65A$
 $R_{DS(ON)}@10V$ 0.10m (Typ.9m)
 $R_{DS(ON)}@4.5V$ 0.15m (Typ.11m)
—)í D }ož HF Product.

Đ ÷ / Applications

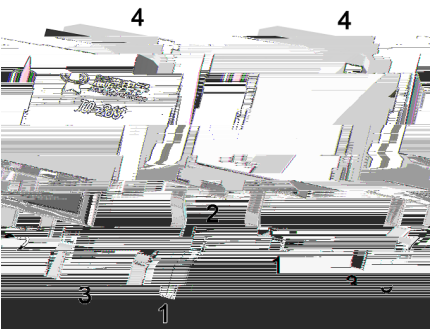
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Afficient switch mode power supplies, AC inverter for high correction, electronic lamp ballast based on half bridge topology.

Ã W] Ô · / Equivalent Circuit



• Û - æ / Pinning



PIN1 y G PIN 2o•4 y D PIN 3 y S

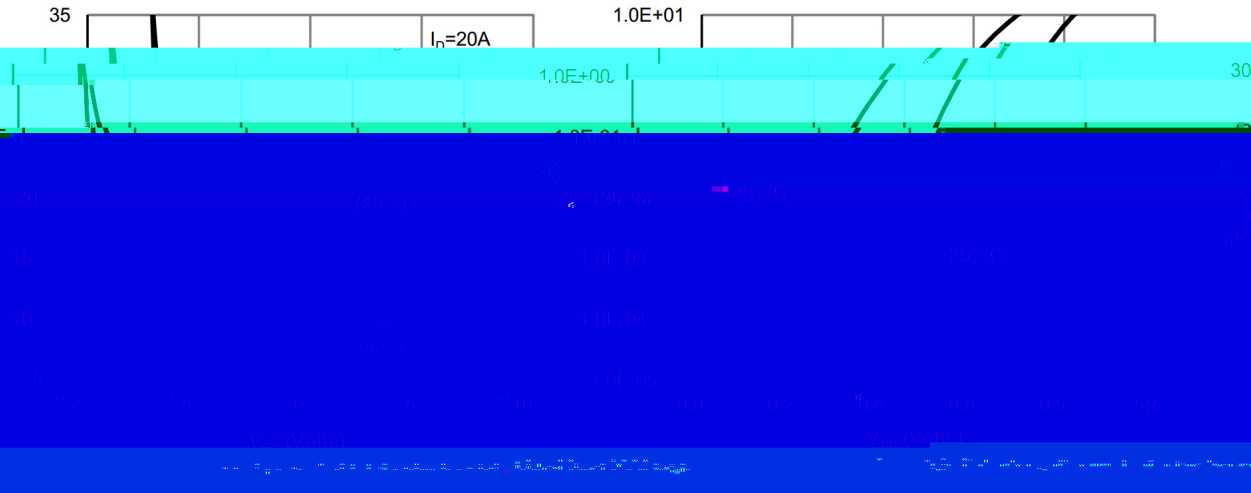
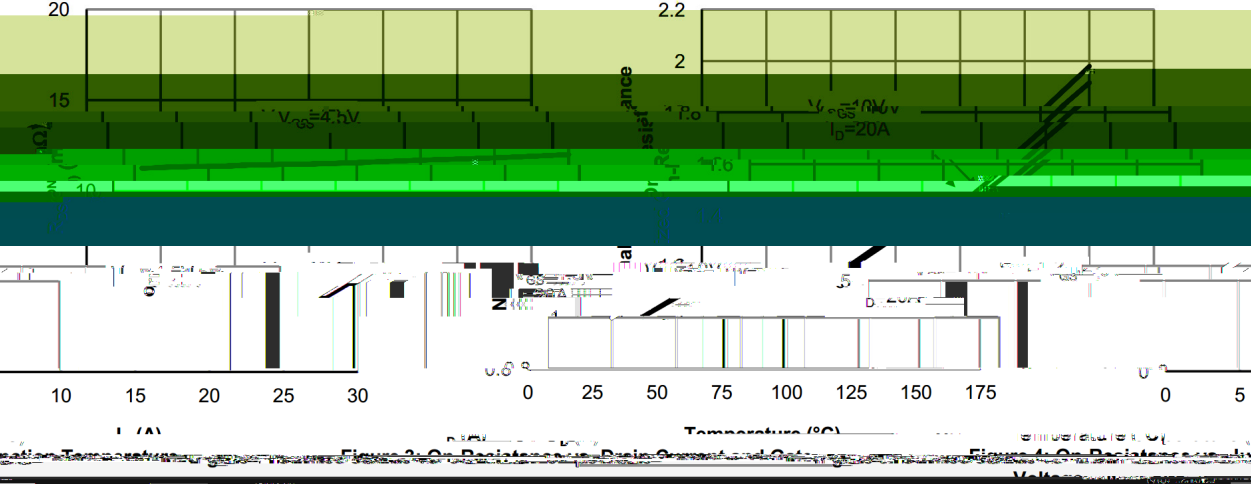
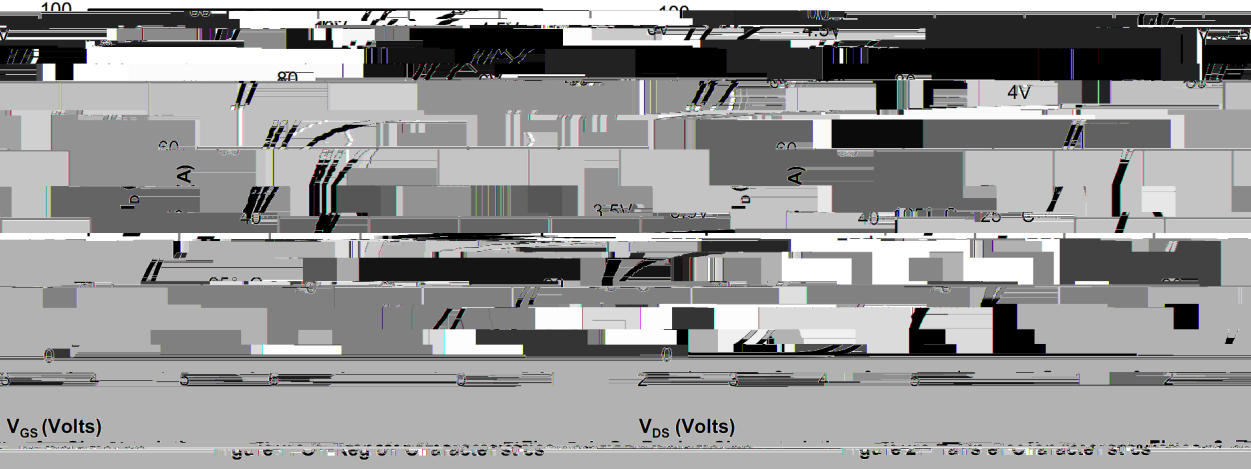
, M V / Marking

• - ~ ª ¢ož
See Marking Instructions.

@ f Parameter	... Z Symbol	f > Rating	% y Unit
Drain-Source Voltage	V _{DSS}	100	V
Drain Current	I _D (T _c =25)	65	A
Pulsed Drain Current	I _{DM}	168	A
Gate-Source Voltage	V _{GS}	f 20	V

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Turn-On Delay Time	t _{d(on)}	V _{GS} =10V V _{DS} =50V R _L =2.5 R _{GEN} =3		8.7		ns
Turn-On Rise Time	t _r			3.5		
Turn-Off Delay Time	t _{d(off)}			25		
Turn-Off Fall Time						

Electrical Characteristic Curve



Electrical Characteristic Curve

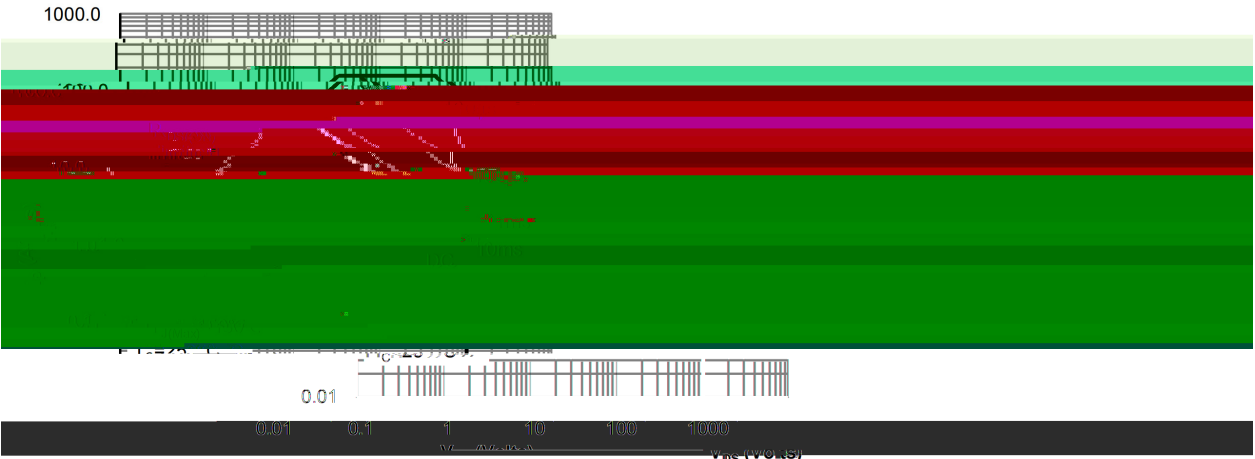
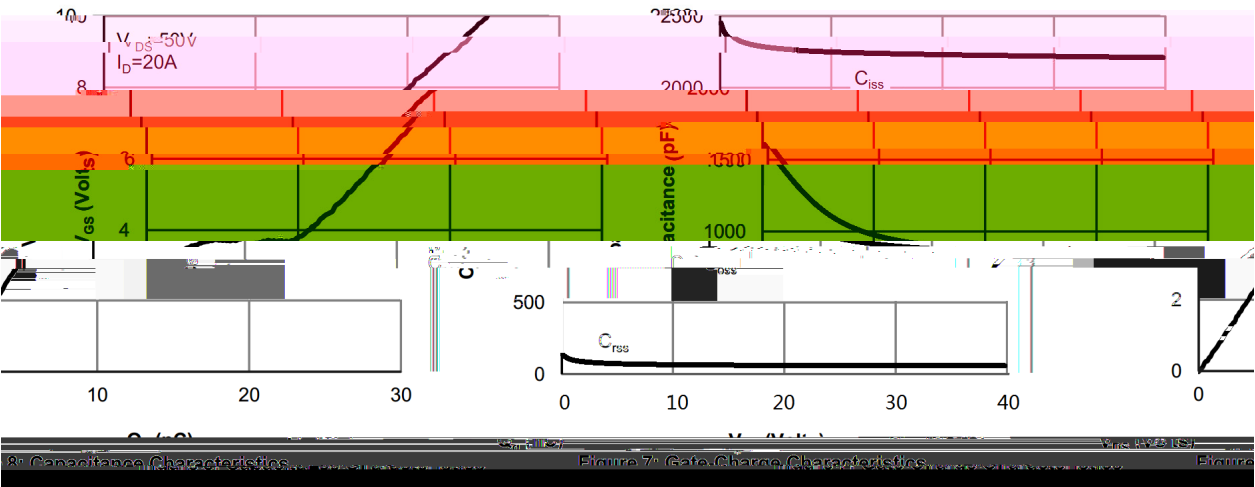


Figure 9: Maximum Forward Biased Safe Operating Area

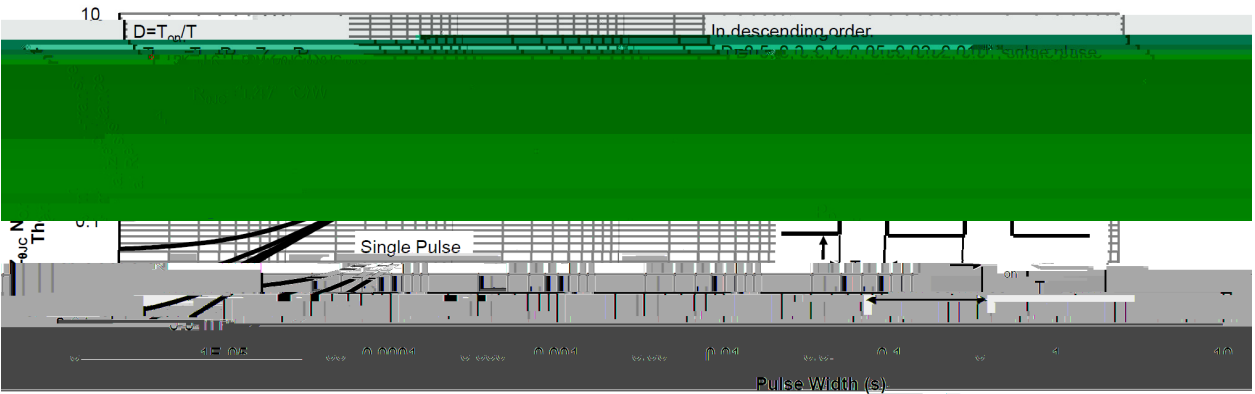
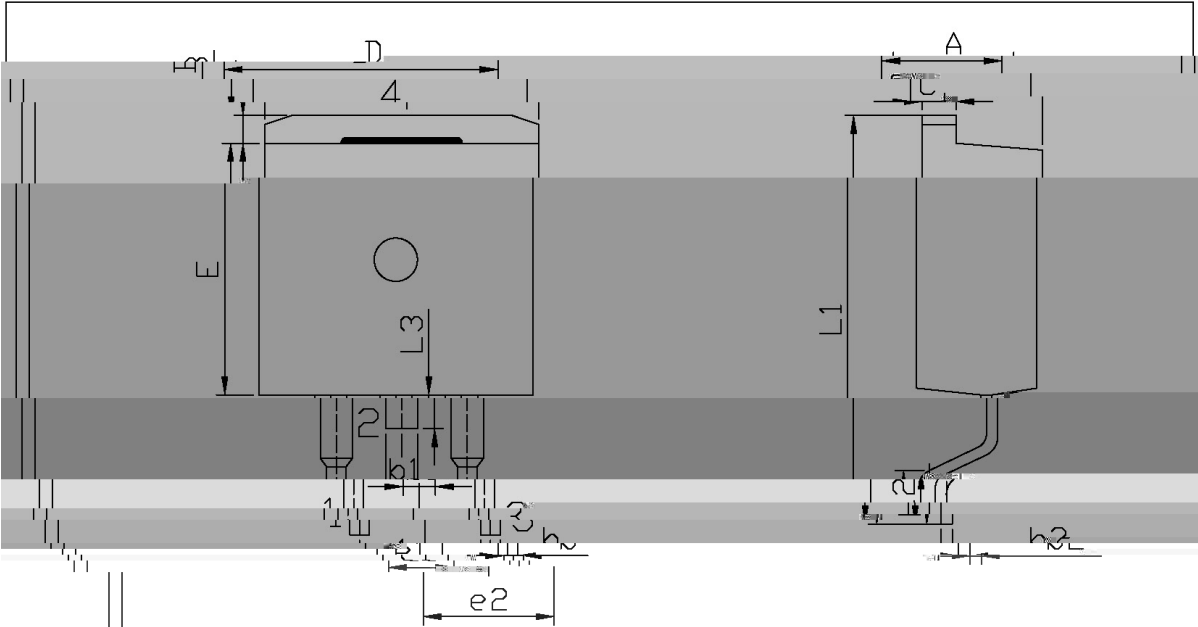


Figure 10: Normalized Maximum Transient Thermal Impedance

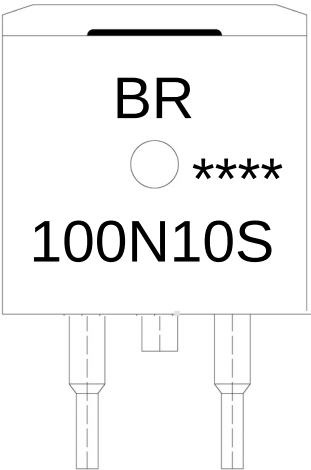
Ø □ =) ☎ / Package Dimensions



单位: mm

Symbol	Dimensions in Millimeters	Symbol	Dimensions in Millimeters
Max	Min	Max	Min
a 40.00	A 4.30	E 4.70	F 0.00
B 1.00	C 1.40	D 1.40	D 1.40

, M y f / Marking Instructions



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(8 y , [W A
4 9 y ° Z W A
y ŷ D Z W A k š ŷ D Z J

Note:
BR: Company Code
100N10S: Product Type Code
****: Lot No. Code, code change with Lot No

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

ª ¢ y

- 10• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;
- 20• Q > “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;
- 30•D N ò i Ò 0 , † 2 ½10 - /sec.

- Note:
- 1.Preheating:150~180 - , Time:60~90sec.
 - 2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
 - 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

605 r5 - (/ -5.7(Pa)5.1B(0)5.1266(SB)5.0714(F)4.3/1B5x03.4485 32.3713 TD .0004 Tc -35.6 5309:602

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