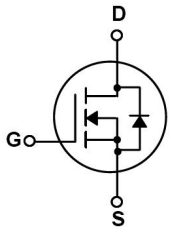
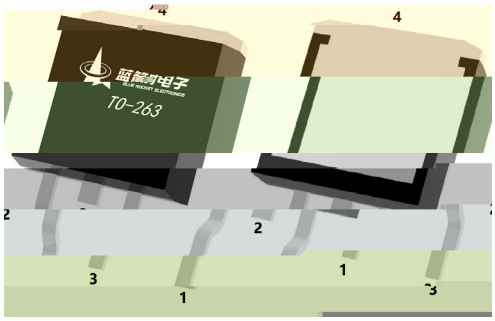
5 é / Descriptions

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

z Š • ¼ , † ½ k —)í D }ož
; R Z X G 2 U] 5 T 8 K Y O Y Z G T I K. ,L 6 X U Z J Y l] Z D Z I N O T M

¥ ˜ ^ 9 ä | › % ² k ” 6 ,) è y Â 9 ! " ÷ È ã ÿ - °ož
These devices are well suited for high efficient switched mode power supplies È Active power factor correction, electronic lamp ballast based on half bridge topology.





PIN1 y G PIN 2o•4 y D PIN 3 y S

, M V / Marking

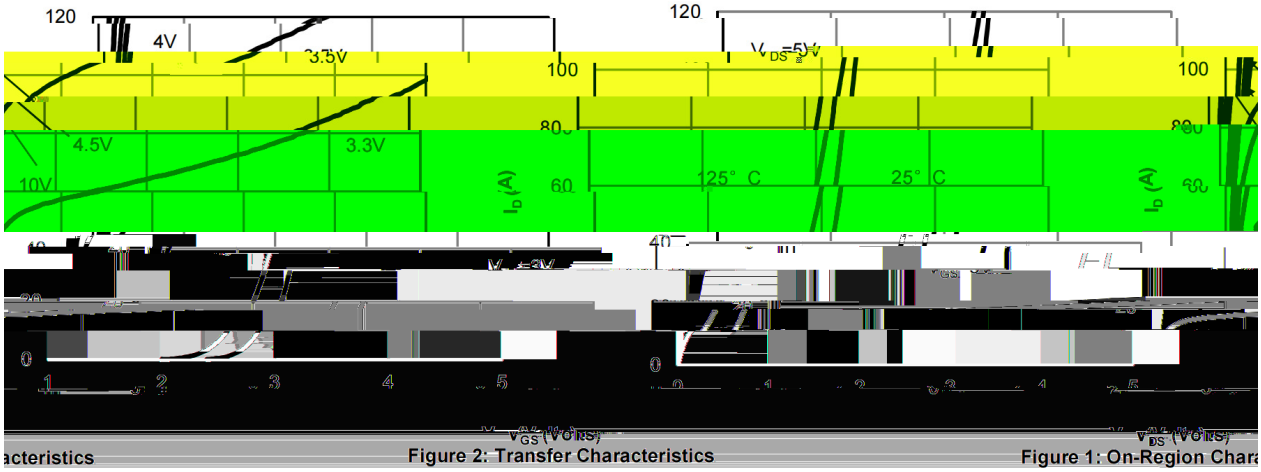
• - ~ ª ¢ož See Marking Instructions.

@ *f* Parameter		… Z Symbol	*f* › Rating	% y Unit
Drain-Source Voltage		V_{DSS}	40	V
Drain Current		I_D(Tc=25)	120	A
Pulsed Drain Current		I_{DM}	480	A
Gate-Source Voltage		V_{GS}	–20	V
Single Pulsed Avalanche Energy L=0.5mH		E_{AS}	482	mJ
Avalanche Current		I_{AS}	35	A
Total Power Dissipation		P_D(Tc=25)	187	W
Junction and Storage Temperature Range		T_J,T_{STG}	-55 to 175	
Thermal Resistance-Junction to Ambient	t 0 10s	R ©JA	15	
	Steady-St53.93.7998 to Ambient		18.48	- /W

W 2 S R'! — L_ _ #˙ 5Ue d h˙ `Utd #`

@ *f*	… Z
Parameter	SymbolT

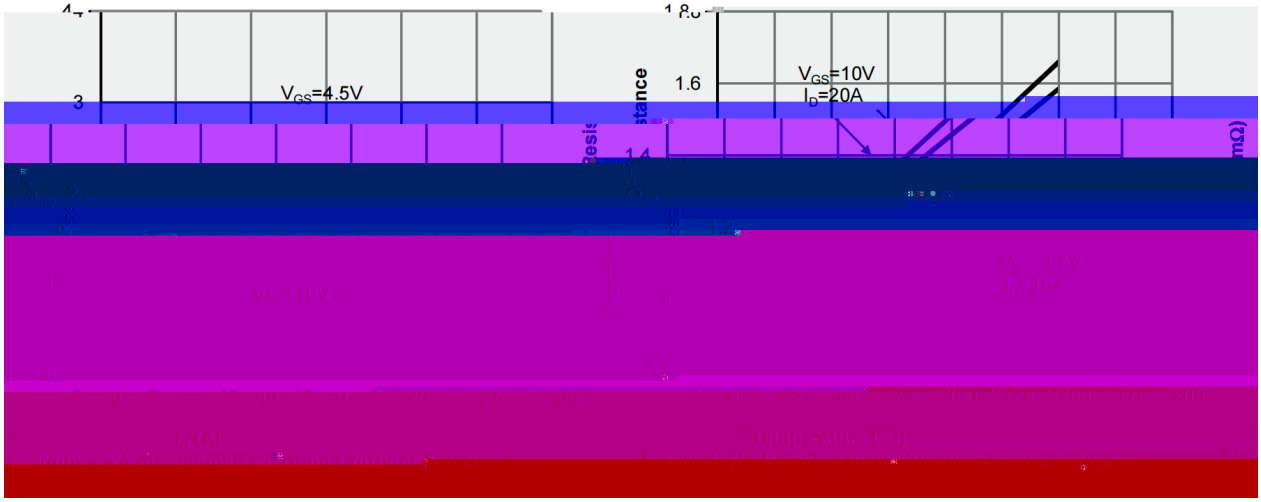
Ô ? d • Ž ¢ / Electrical Characteristic Curve

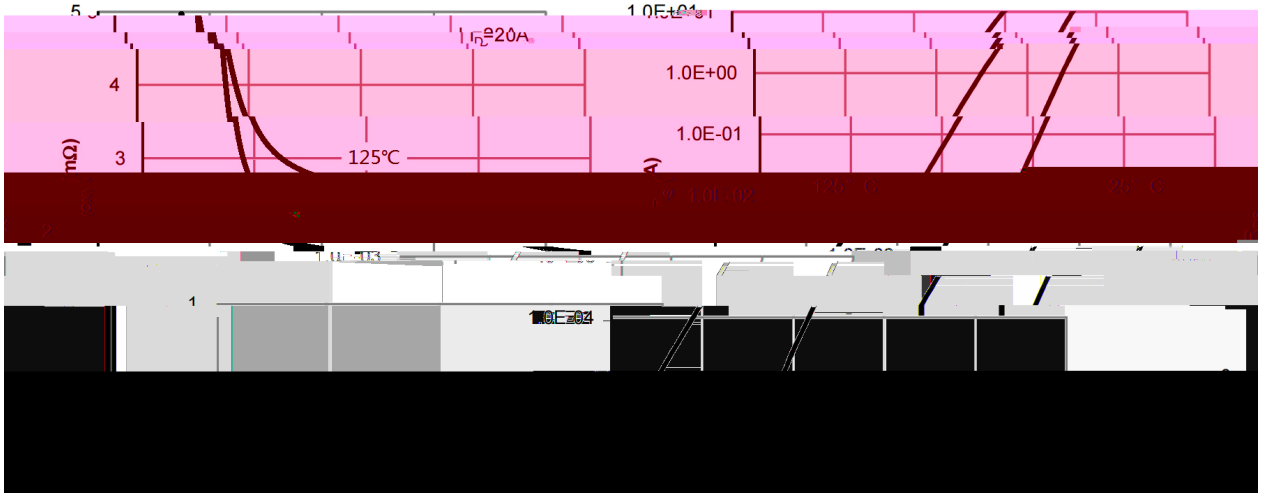


acteristics

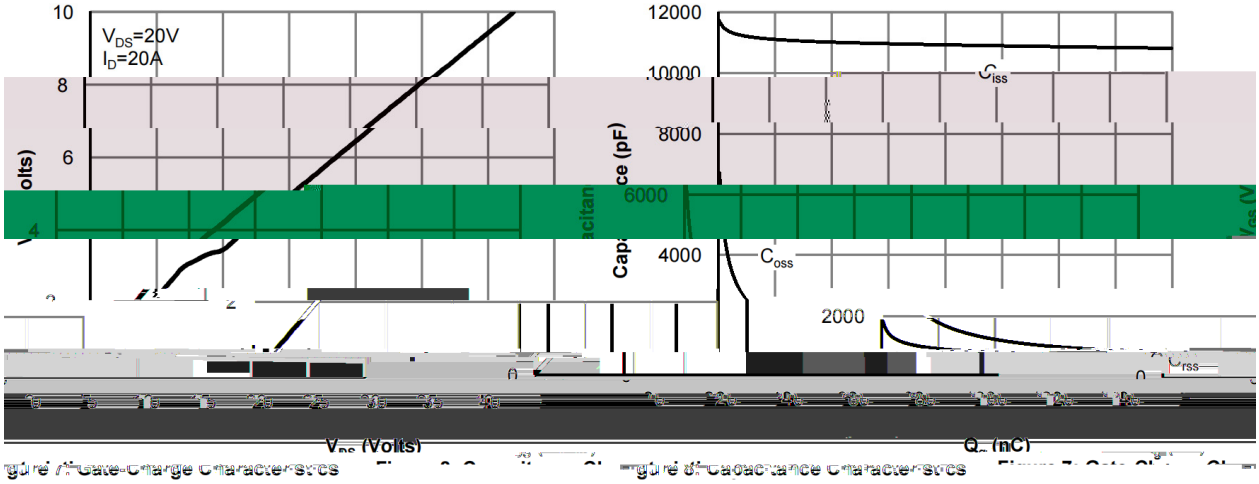
Figure 2: Transfer Characteristics

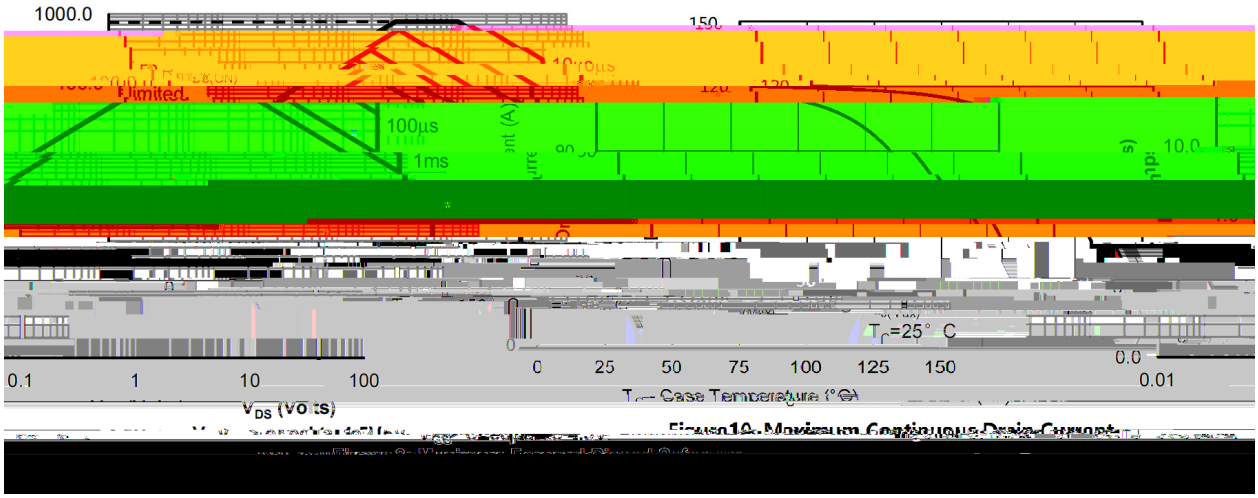
Figure 1: On-Region Chara

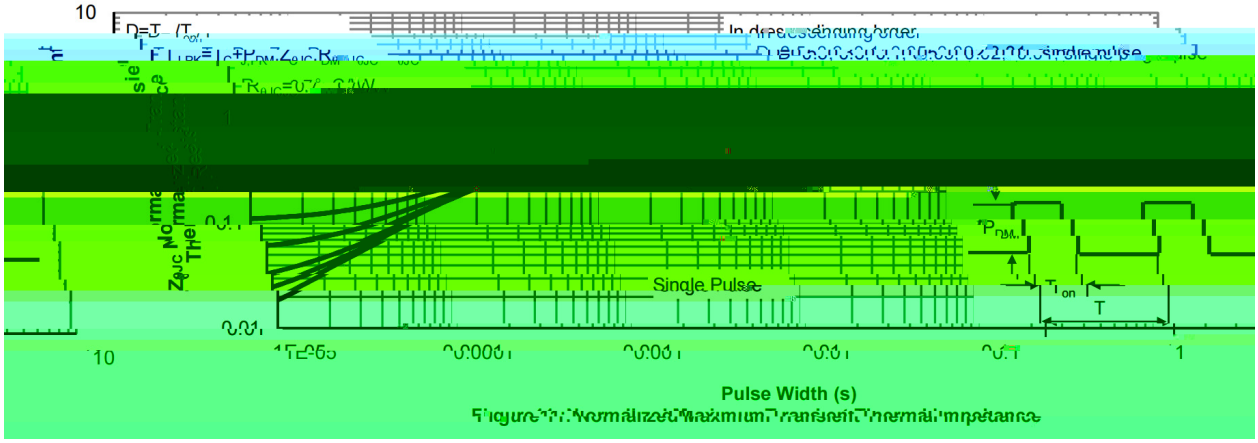




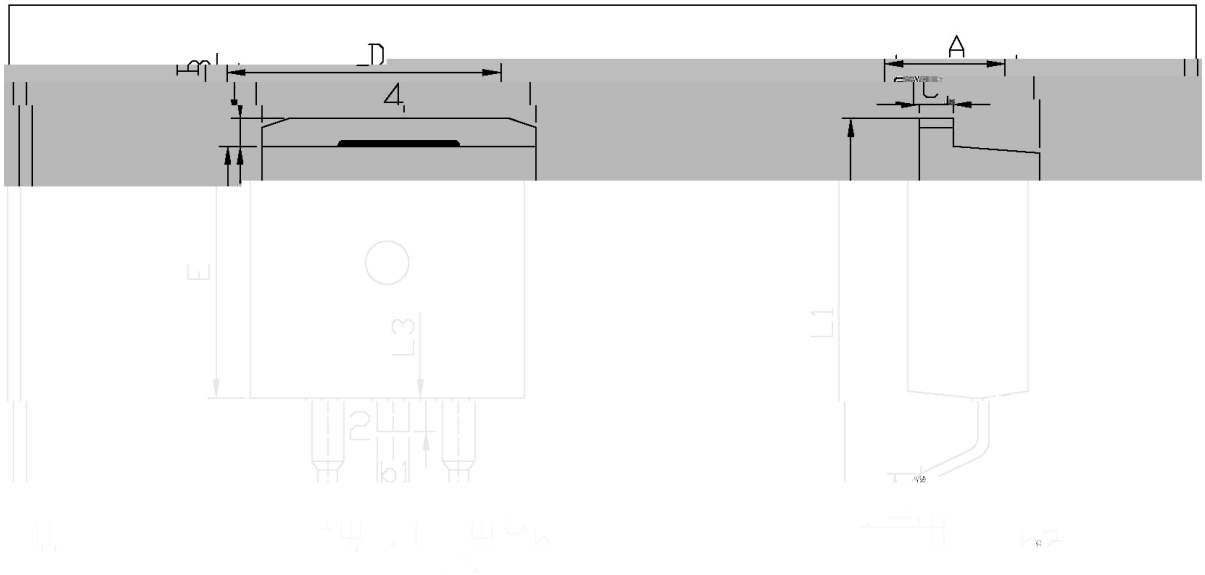
Ô ? d • Ž ¢ / Electrical Characteristic Curve







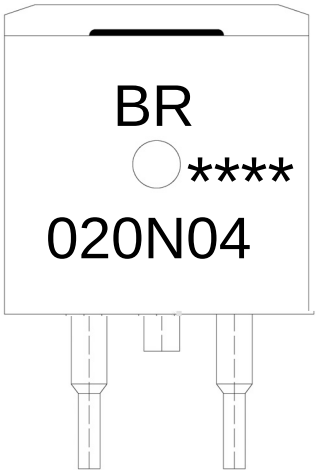
Ø ¤ =) ¢ / Package Dimensions



	Min	Max		Min
A	4.30	4.70	E	9.00
B	1.00	1.40	e1	2.34
b1	1.15	1.35	L1	15
C	1.20	1.40	L3	1.2
D	9.80	10.20		

TO-263

, M y ƒ / Marking Instructions



ª ¢ y

(8 y ¸ [W A

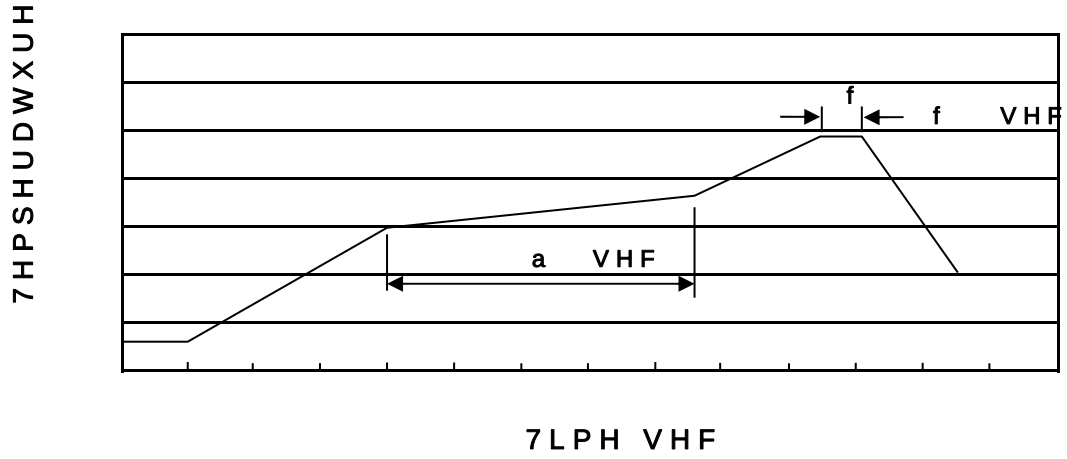
4 y º Z W A

y ÿ D Z W A k š ÿ D Z J

Note:

BR:	Company Code
020N04:	Product Type
****:	Lot No. Code, code change with Lot No

š WD t … • Ž ¢ **(** x / **)** **/** : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6



7 L P H V H F

ª ¢ y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

3o•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

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260–5 Time:10–1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×	Outer Box1ç
TO-263	800	1	800	6	4,800	13 s ×24	360×360×50	380×335×366

ì ’ x / TUBE

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Tube / •1×	Tubes/Inner Box •1× /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube • 1×	Inner Box×	Outer Box1ç
TO-263	50	20	1,000	5	5,000	532×83×7.0	555×164×50	575×290×180

„ Ð y ƒ / Notices