5 é / þ

TO-220 .> / / x P ?ú 3 « | • ’ož

P-CHANNEL MOSFET in a TO-220 Plastic Package.

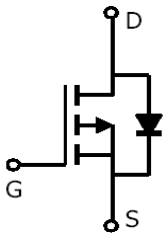
V_{DS}=-30V I_D=-98A

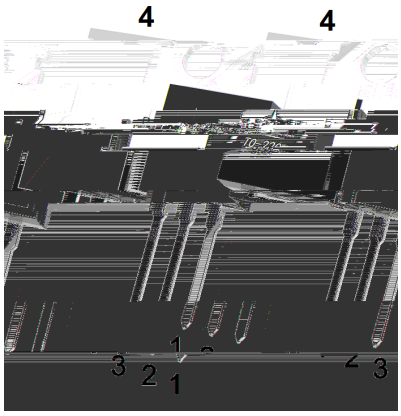
$R_{DS(on)}$@-10V ”7.0m (Type.6.7m)

$R_{DS(on)}$@-4.5V ”15m (Type.9.0m)

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High frequency switching and synchronous rectification,BMS,Motor.





PIN1 y G PIN 2o•4 y D PIN 3 y S

, M V / M

• - ~ ª ¢ož

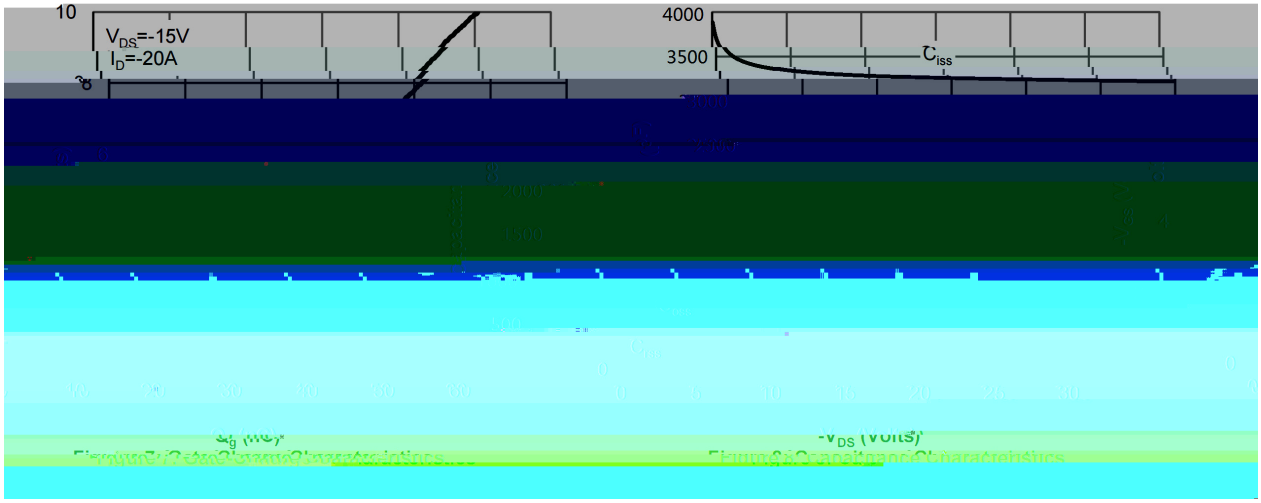
See Marking Instructions.

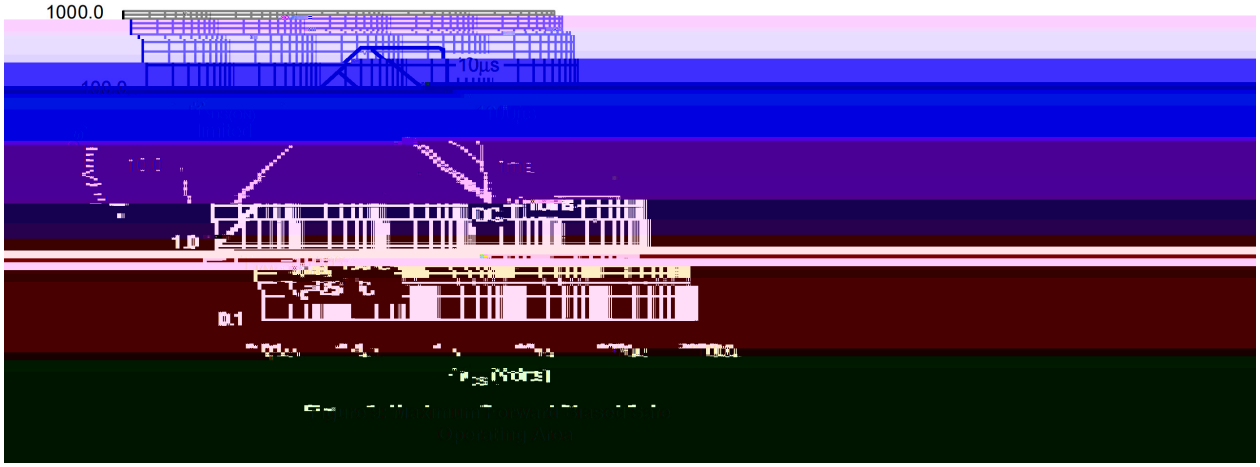
@ ƒ Parameter	… Z Symbol	ƒ › Rating	% y Unit
Drain-Source Voltage	V_{DS}	-30	V
Drain Current - Continuous	I_D(T_c=25)	-98	A
Drain Current – Pulsed	I		

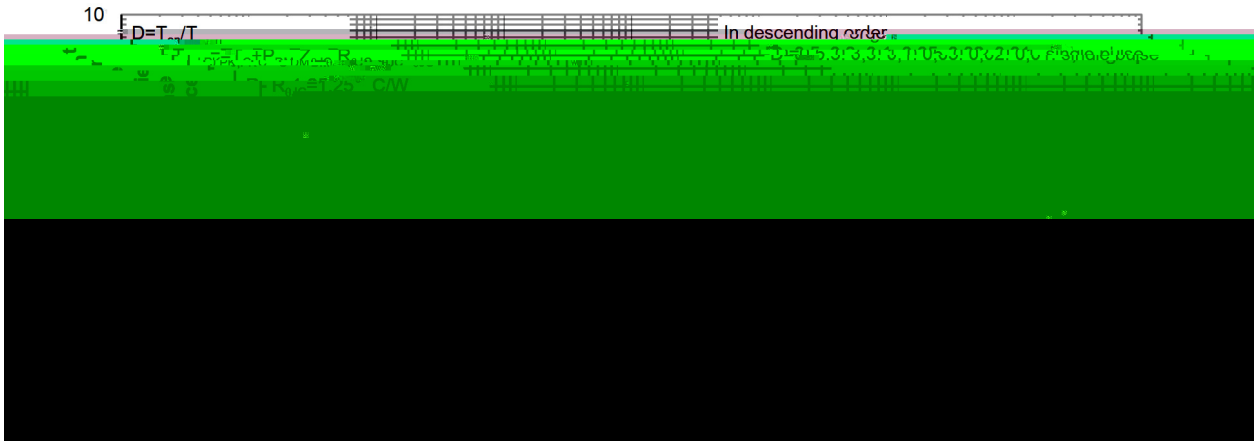
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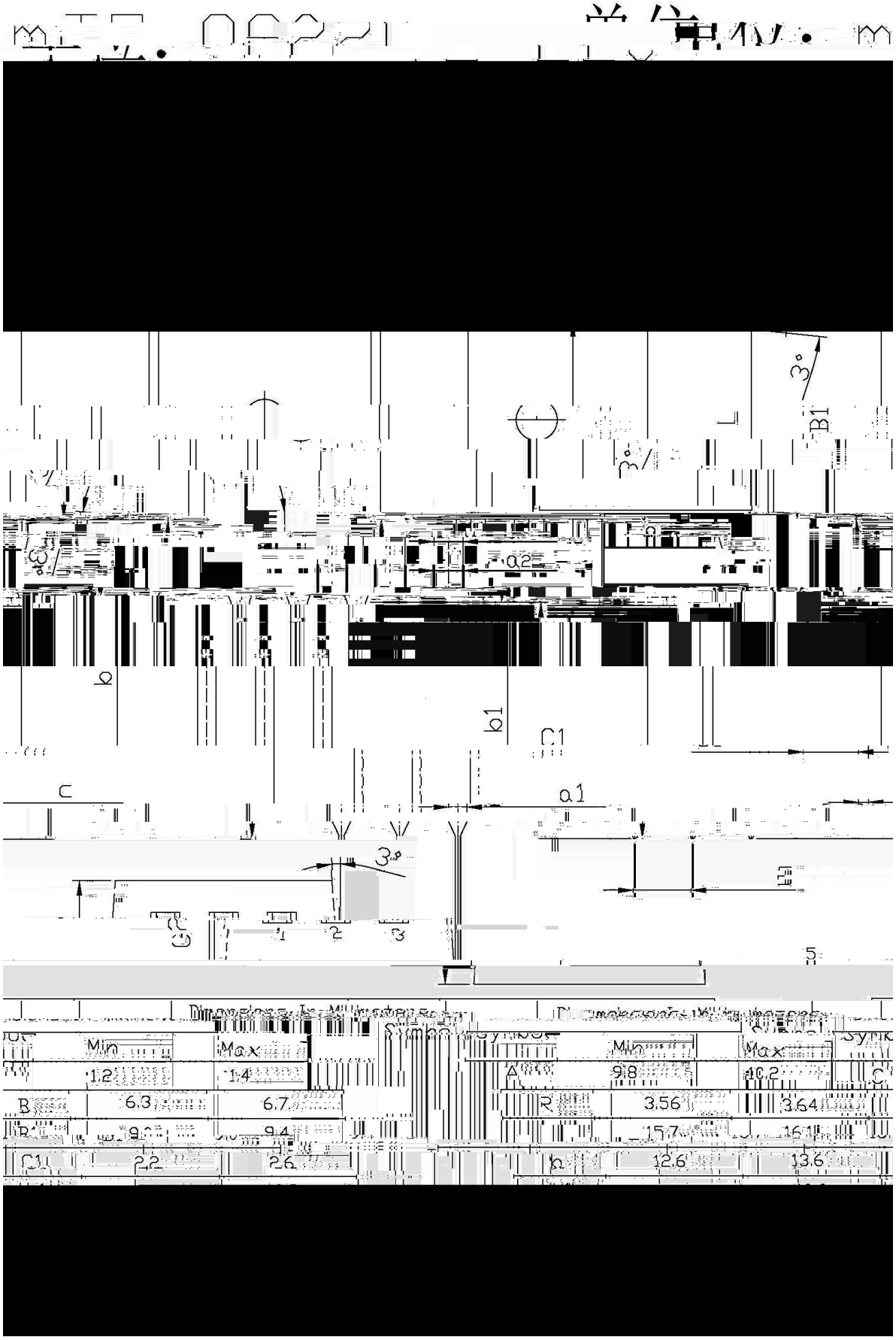
@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › Max	% y Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=-10V V_{DS}=-15V R_L=0.75 ¡ R_{GEN}=3 ¡		12.5		ns
Turn-On Rise Time	t_r			19		
Turn-Off Delay Time	$t_{d(off)}$			125		
Turn-Off Fall Time	t_f			67		

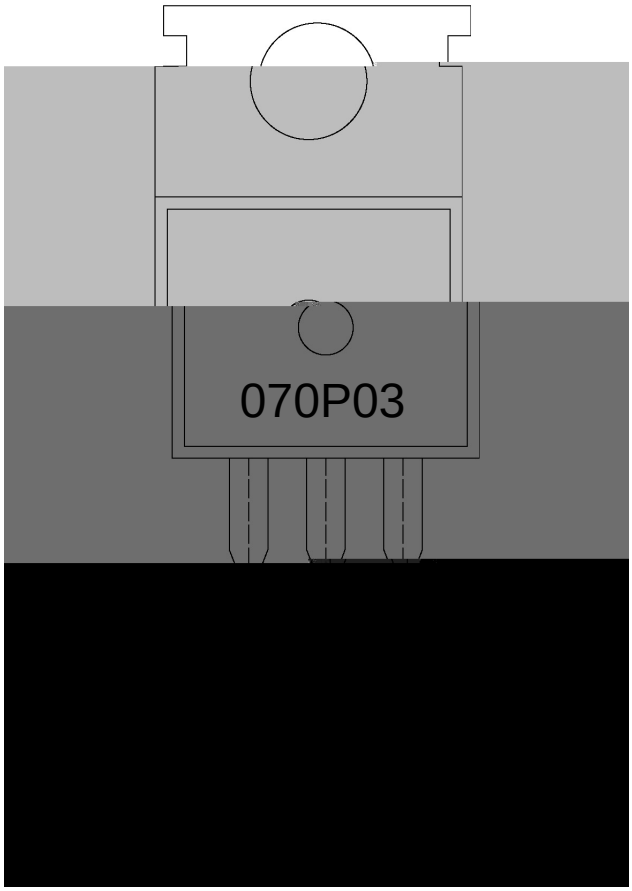
Ô ? d • Ž ¢ /


10
V_{DS}=-15V
I_D=-20A
4000
3500
C_{iss}


1000.0
10μs
1.0
0.1


10
D=T₁/T
In descending order


3°
B1
L
a2
a
b
b1
c1
c
a1
3°
Min
Max
Min
Max
1.2
1.4
9.8
10.2
B
6.3
6.7
3.56
3.64
9.4
15.7
16.1
c1
2.2
2.6
h
12.6
13.6



ª ¢ y

(8 y ¸ [W A

6 y º Z W A

y ÿ D Z W A k š ÿ D Z J

Note:

BR:	Company Code
070P03:	Product Type Code
****:	Lot No. Code, code change with Lot No

G PD t … • Ž ¢ （x / ） /

ª ¢ y

1o• Ä ½ “ † 25 ½150 - k ž • 60 ½90sec;

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:25~150 - , Time:60~90sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] /

“ † y 270 r5 - ž • y 10 r