SGIQ6Ö6D0;0 ṂṂÞ S ॐ PRV ʃ ѽ Ẓ ㄱ

P-Channel Enhancement Mode Field Effect Transistor in a PDFN3×3A-8L Plastic Package.

V_{DS} (V) = -30V

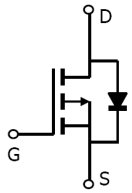
I_D =-34 A (V_{GS} = ±20V)

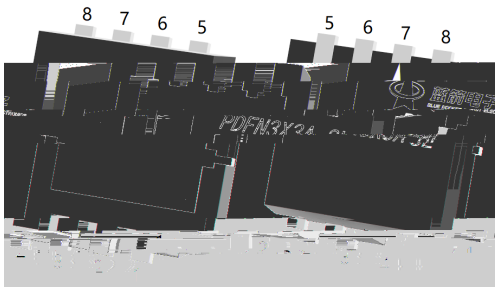
$R_{DS(ON)}$@10V ≤ 14mR(Typ.12.8mR)

ㄱ ᵀ DHF0T434 ‰´ ㅈ ᅵ ᆞ ό ᄅ ∂ ᅵ ᵑ ᵮ ᵝ Qualified to AEC-Q101 Standards for High Reliability, HF Product.

ᵮ̂ ㅈ ᅵ ' GF2GF ᶎ Ω ᄀ ᅵ ' Â ʜ ᅵ ◗ ′ ∩ ᶎ Ẓ ᵻ ⅏ Ⅎ ᄅ ∂

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies, Meet the stringent requirements of automotive applications.





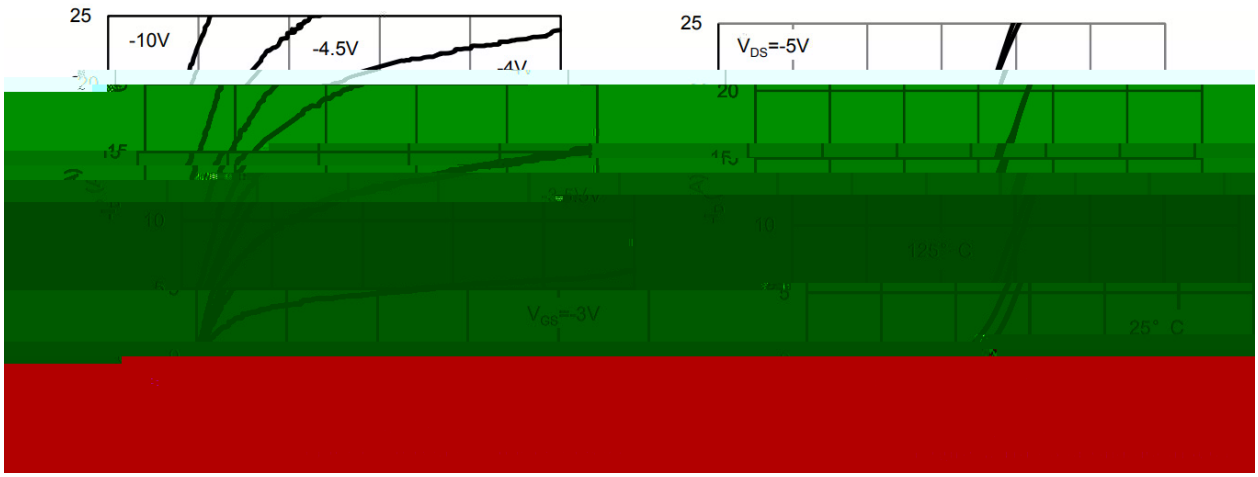
出脚	定义
Pin1	S
Pin2	S

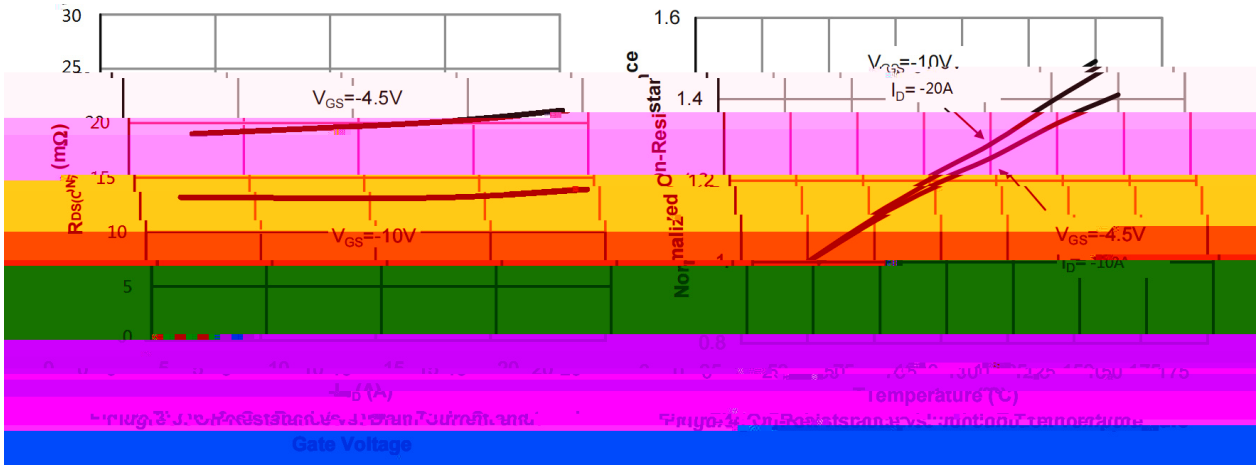
ð ᴍ ㄱ ب ˝

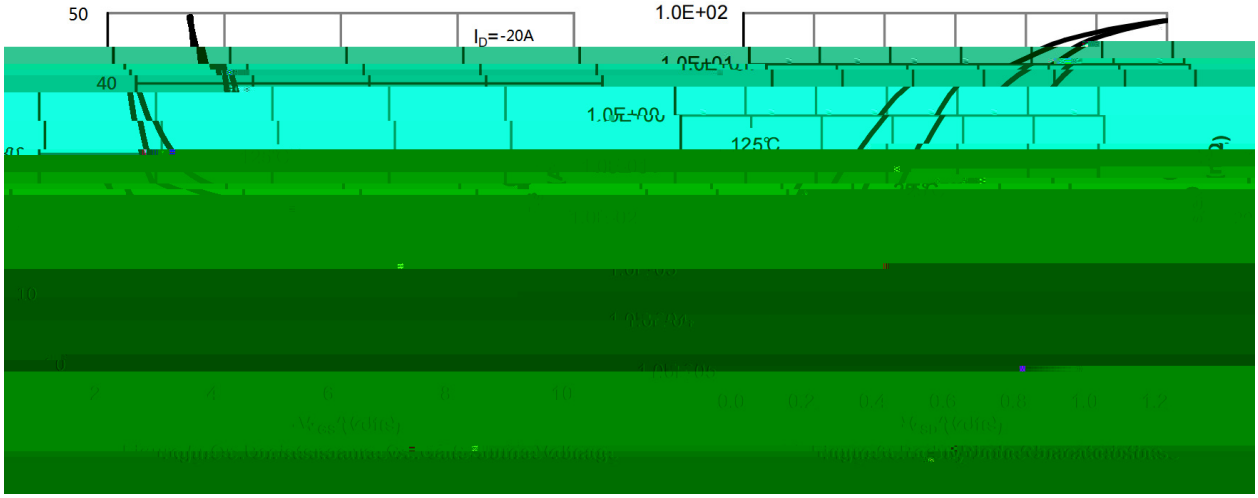
See Marking Instructions.

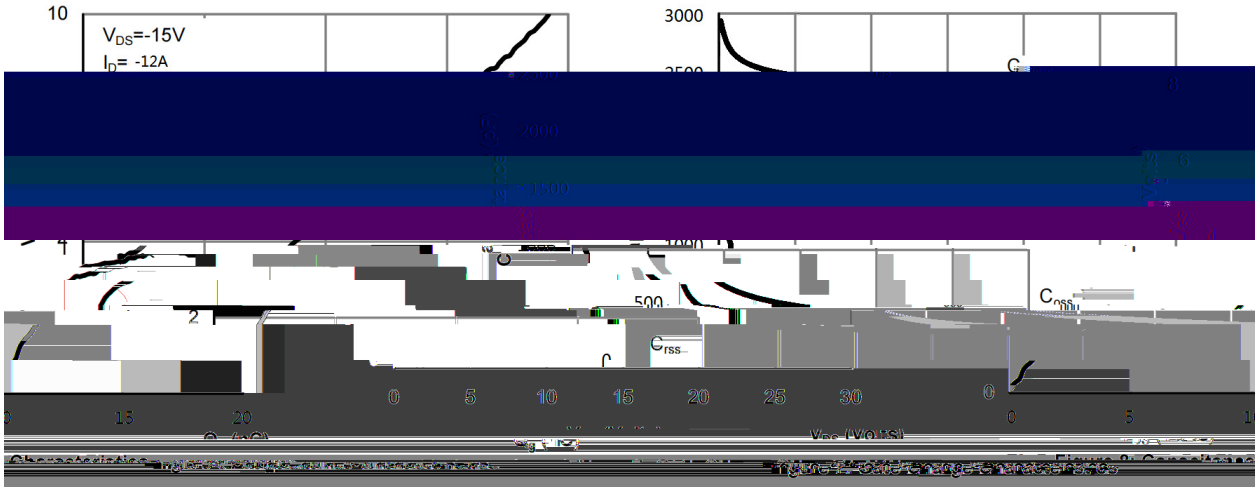
v ″Ω Parameter		ϒ N Symbol	″Ω Ö Rating	D Ч Unit
Drain-Source Voltage		V_{DSS}	-30	V
Drain Current		I_D(Tc=25)	-34	A
Drain Current - Pulsed		I_{DM}	-80	A
Gate-Source Voltage		V_{GS}	± 20	V
Single Pulsed Avalanche Energy		E_{AS}	210	mJ
Avalanche Current		I_{AS}	-20	A
Power Dissipation		P_D(Tc=25)	29	W
Operating and Storage Temperature Range		T_J,T_{stg}	-55 to 150	
Junction-to-Ambient	t ≤ 10	R JA	40	/W
Junction-to-Ambient	Steady-State		75	
Junction-to-Case	Steady-State	R JC	4.2	

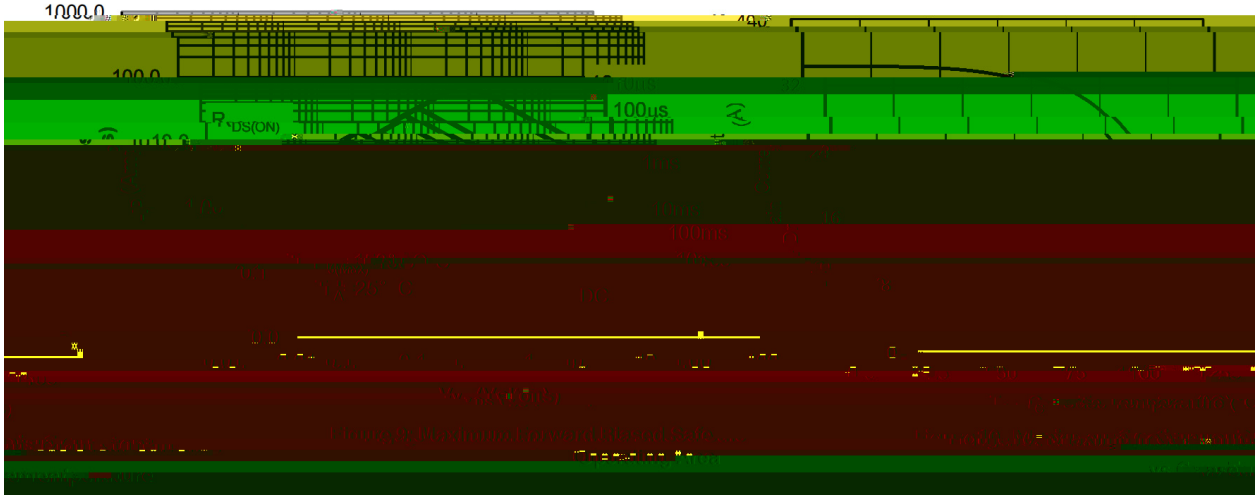
v ¨Ω Parameter	ϒ N Symbol	╜ ;ˆ ţ Test Conditions	ѡ ŋ Ө Min	Ɛ ʒ Ө Typ	ѡ ² Ө Max	D Ӈ Unit
Drain-Source Breakdown Voltage	BV_{DSS}	I_D=-250 A V_{GS}=0V	-30			V
Zero Gate Voltage Drain Current	I_{DSS}	V_{DS}=-30V				

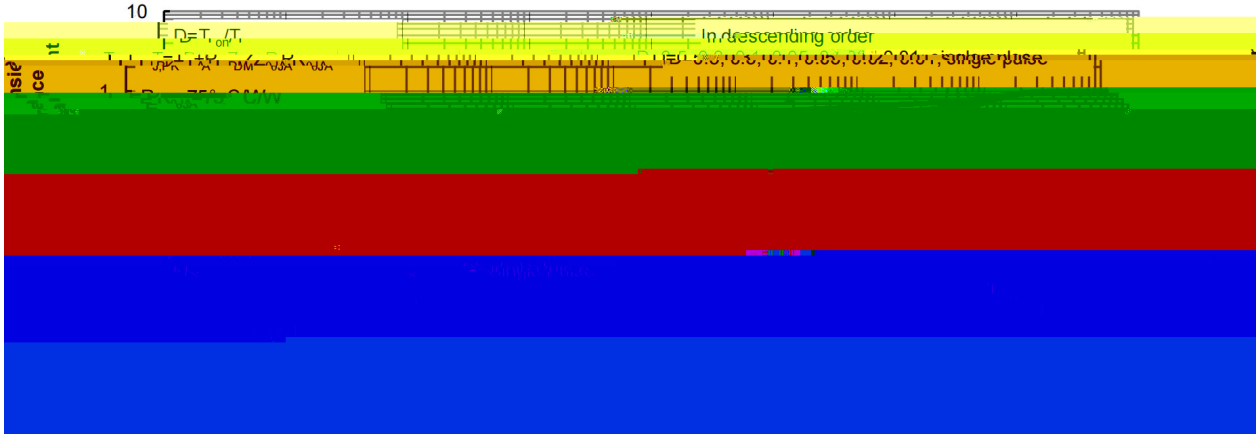

25
-10V
-4.5V
-4V
V_{GS}=-3V
25
V_{DS}=-5V
20
15
10
5
125° C
25° C


30
25
20
15
10
5
0
$R_{DS(ON)}$ (mΩ)
V_{GS}=-4.5V
V_{GS}=-10V
1.6
1.4
1.2
1
0.8
V_{GS}=-10V
I_D=-20A
V_{GS}=-4.5V
I_D=-10A
Normalized On-Resistance
Temperature (°C)
Gate Voltage


50
40
I_D=-20A
1.0E+02
125℃

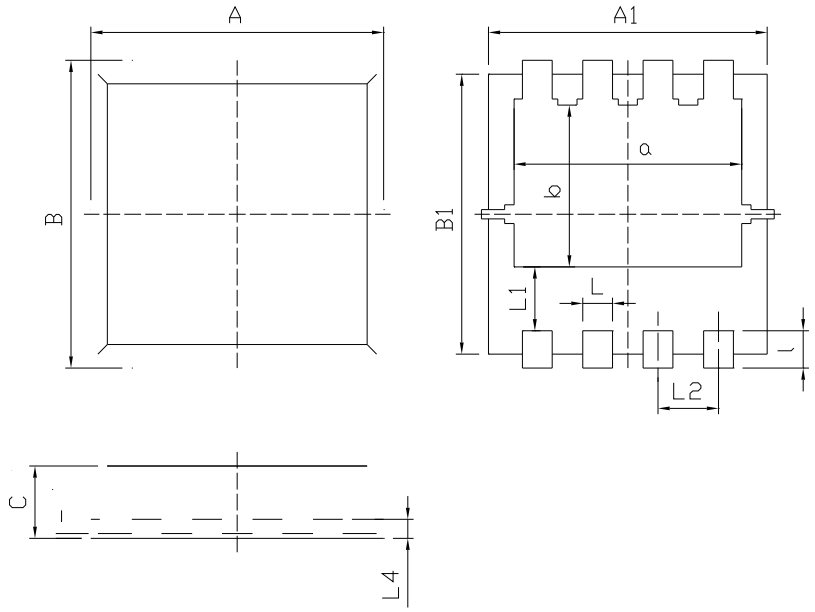

10
V_{DS}=-15V
I_D= -12A
3000
2000
1500
1000
500
0
C_{oss}
C_{rss}
0
5
10
15
20
25
30


100μs
100ms


10
In descending order

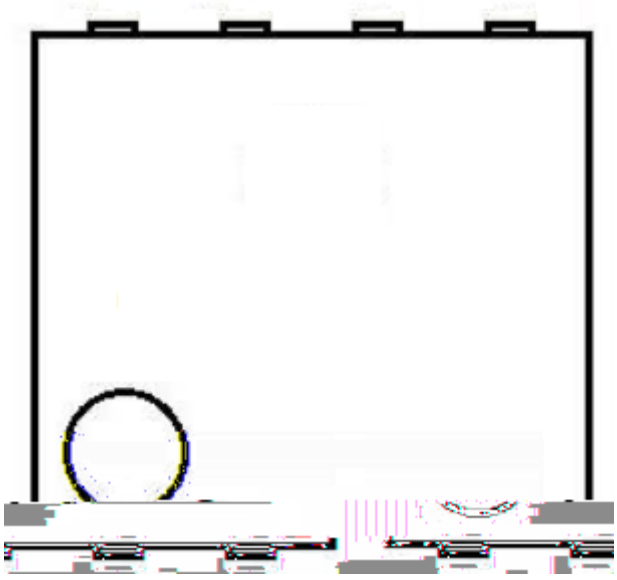
PDFN3X3A-8L

Unit:mm



Dimensions In Millimeterer			
Symbol	MIN	TYP	MAX
A	3.20	3.30	3.40
A1	3.10	3.15	3.20
B	3.20	3.30	3.40
B1	2.95	3.00	3.05
C	0.75	0.80	0.85
L	0.25	0.30	0.35
L1	-	-	0.75
L2	0.55	0.65	0.75
L4	0.14	0.15	0.20
a	2.35	2.45	2.55
b	1.635	1.735	1.835
k	0.00	-	0.05
l	0.30	0.40	0.50

Rev.00 202011



ᵕ ˝ χ

BR χ	ᵻᵡ ϛ ᴺ Γϧ
Q χ	ᵻᵡ ∩ ᶜ ᵑ̀ ᶠ ᵝ ‰ ᵡ̆
140P03 χ	ᵻᵡ ʒ ᴺ Γϧ
---- χ	ᵻᵡ ᵻ ᶠ ᵑ̋ ᴺ Γϧ ᵻ ₒ ᵻ ᶠ ᵑ̋ ᴺ Ψ ᖘ

Note:

BR:

Temperature Profile for IR Reflow Soldering(Pb-Free)



ب ˝ χ

1 Ĺ ♬ □ ỷ 150 Ḱ 200 ɬ ı `H ڑ 60 Ḱ 120sec;

2 Š Ë □ ỷ 255 ° 5 ɬ ı `H ڑ 'Y ʌ ʁ 5 ° 0.5sec;

3 ì ˙ ɣ ˛ ɔ ♭ ỷ ʁ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:150~200 ɬ , Time:60~120sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

□ ỷ χ 260 ° 5 ɬ `H ڑ χ 10 ° 1 sec. Temp.:260±5 Time:10±1 sec

ɔ ` ɣ Ł / REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box