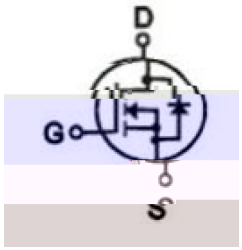
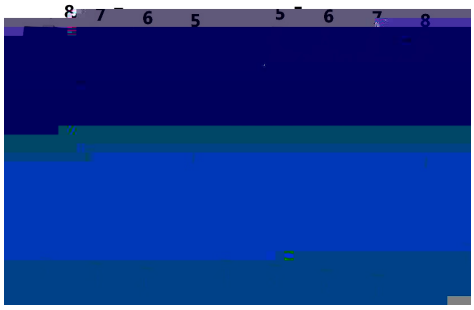
PDFN5Ö6 Ɱ Ƚ N ڜ ʃ ѽ Ƶ ٦
N-Channel MOSFET in a PDFN5×6 Plastic Package.

V_{DS}(V)=60 V I_D=81A
$R_{DS(ON)}$@10V≤5.2mΩ(Typ. 4.9mƑ)
$R_{DS(ON)}$@4.5V≤7.5mΩ(Typ.6.8mR)
٠ ᵀ AEC-Q101 ‰ ڑ ᵎ ، ό ļ ∂ ı ή ꜰ ß Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Ⱪ ٦ Ӧ ª ℓ Ɋ ╙ ı GF0GF Ψ Ɯ ᴴ ı Ɔ í ı ق ڈ Ɯ ı ◗ ′ ∩ ڃ Ƶ ŧ ⅏ Ⱨ ⱷ ļ ∂
Secondary Side Synchronous Rectification,DC-DC Converter,Motor Control,Load Switching, Meet the stringent requirements of automotive applications.





PIN1 2 3 S PIN4 G PIN5 6 7 8 D

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See Marking Instructions.

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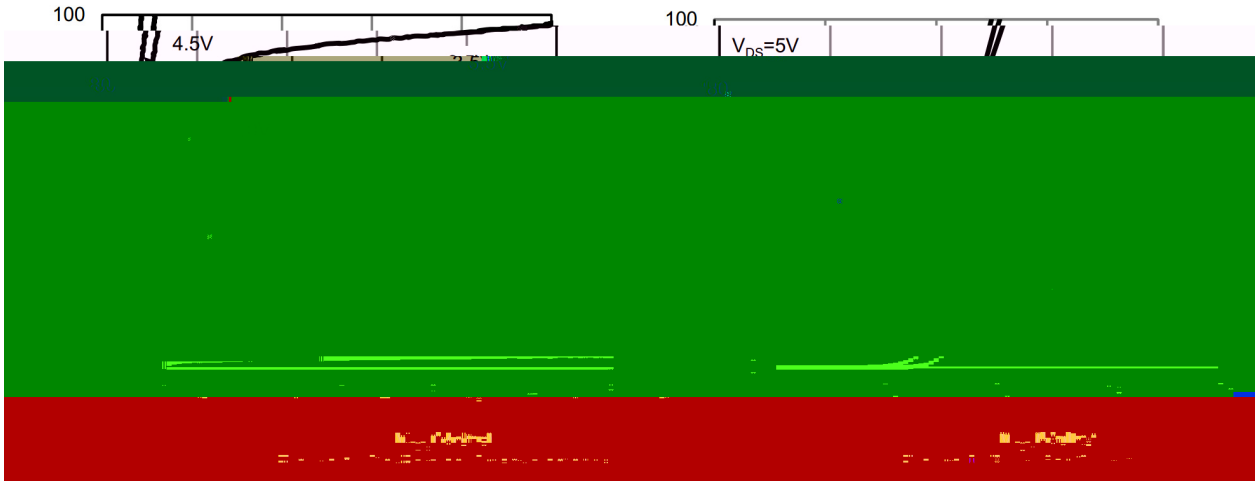


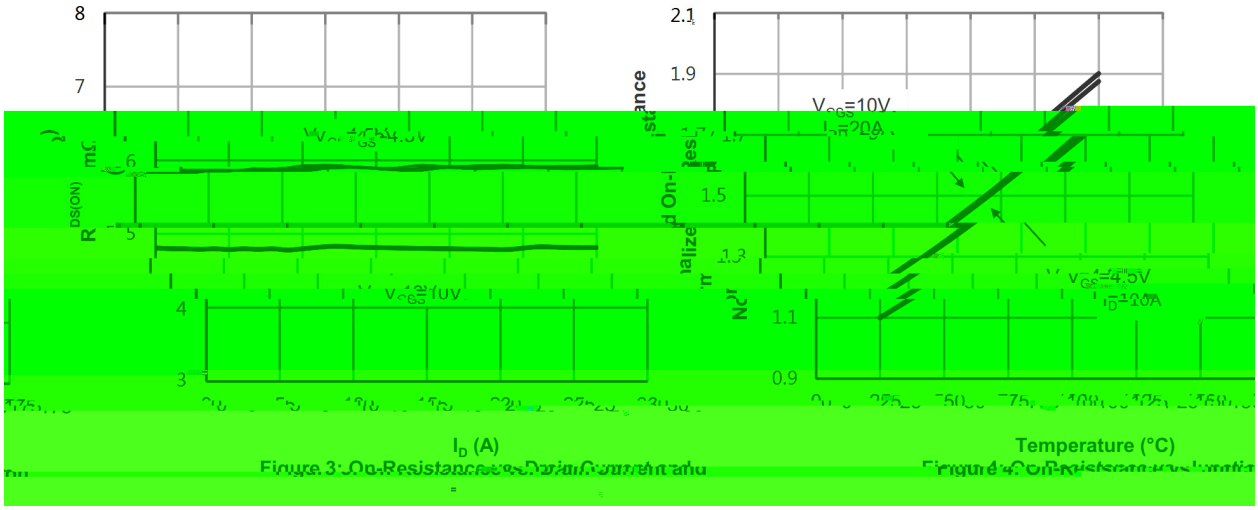


Figure 3: On-Resistance vs. Drain Current and

Figure 4: On-Resistance vs. Junction

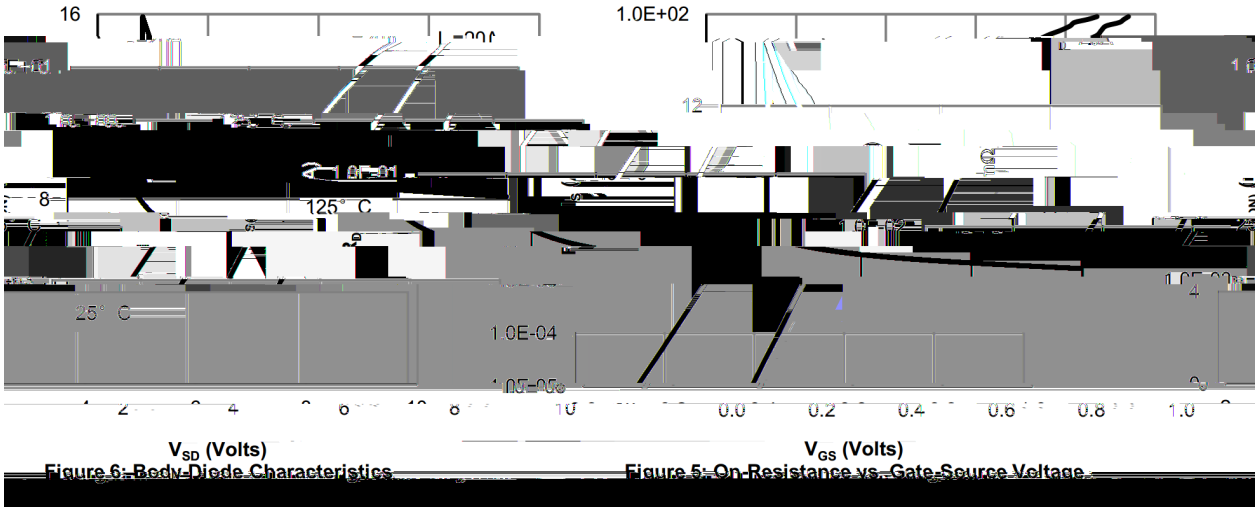
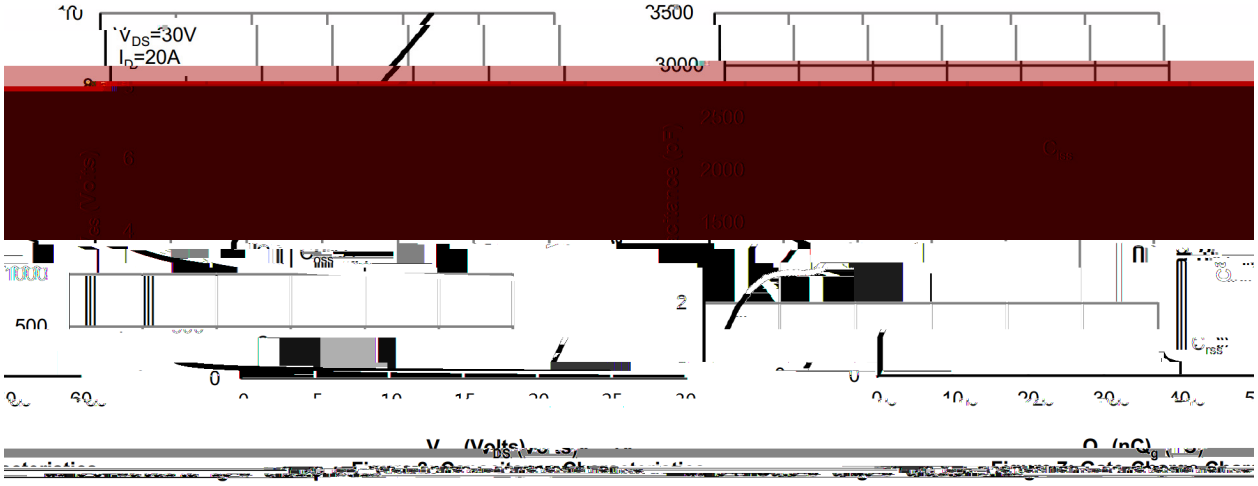
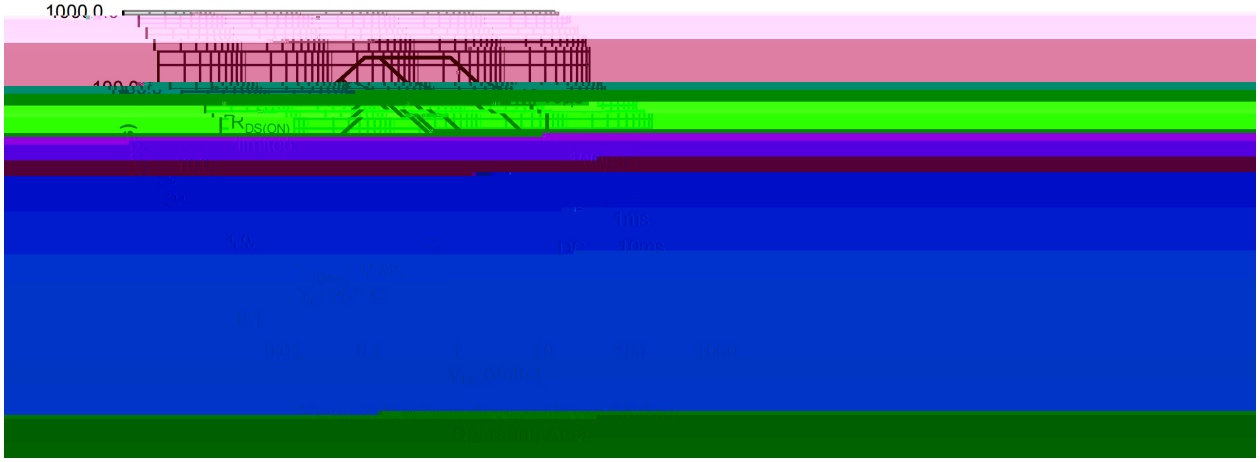
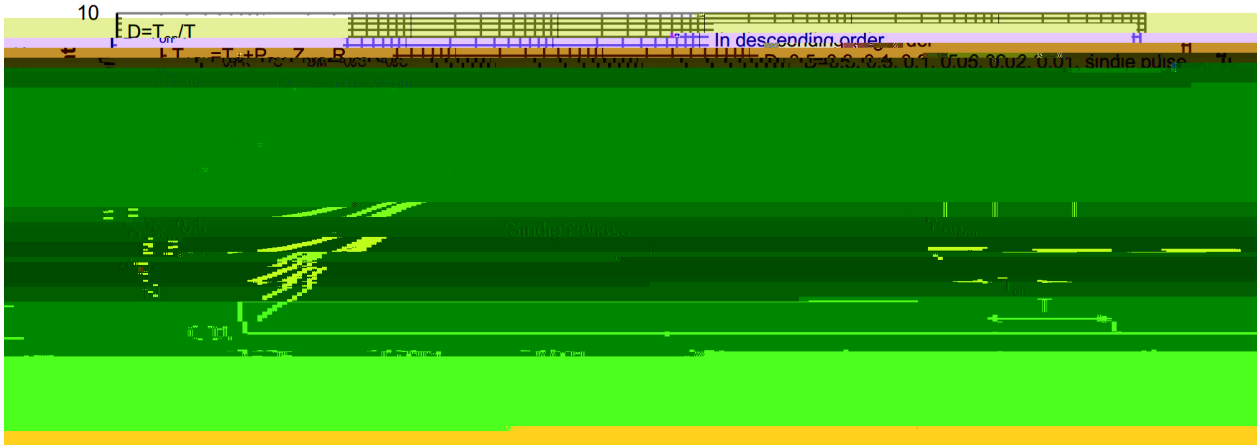


Figure 6: Body-Diode Characteristics

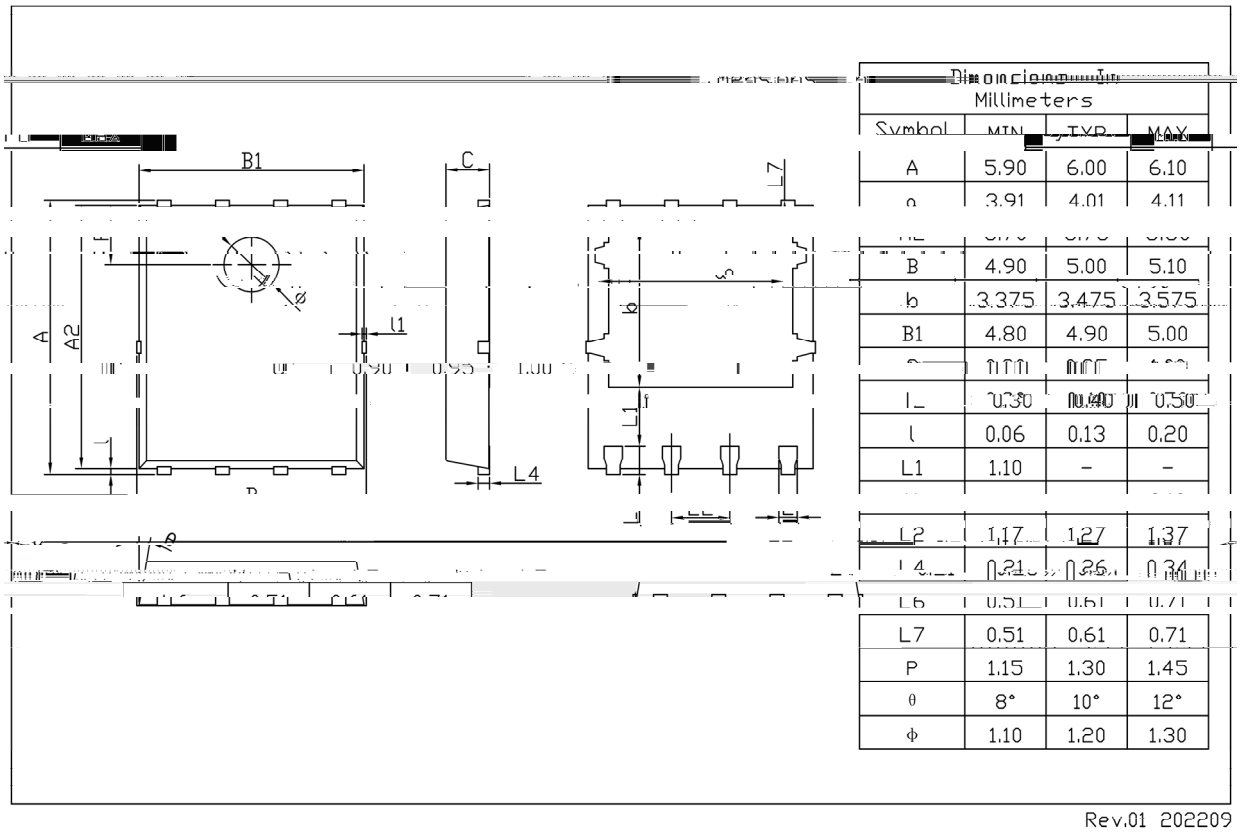
Figure 5: On-Resistance vs. Gate-Source Voltage


V_DS=30V
I_D=20A
3500
3000
2500
2000
1500
500
0
60
10
20
30
40


1000.0
100.0
R_DS(ON)
1ms
10ms
0.1
0.01
0.1
1
10
100
1000


10
D=T_on/T
In descending order
0.5
0.3
0.1
0.05
0.02
0.01
single pulse

PDFN5×6 Unit:mm



Dimensions In Millimeters			
Symbol	MIN	TYP	MAX
A	5.90	6.00	6.10
[illegible]	3.91	4.01	4.11
B	4.90	5.00	5.10
b	3.375	3.475	3.575
B1	4.80	4.90	5.00
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.30	0.40	0.50
l	0.06	0.13	0.20
L1	1.10	–	–
[illegible]	[illegible]	[illegible]	[illegible]
L2	1.17	1.27	1.37
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
L7	0.51	0.61	0.71
P	1.15	1.30	1.45
θ	8°	10°	12°
Φ	1.10	1.20	1.30

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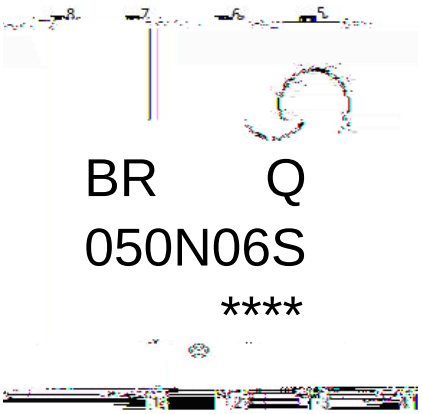

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EU χ	ꟾ ϗ И Ꮆ
T χ	ꟾ ∩ ᓚ ᾐ ꜰ β ‰ ᶹ
050N06S χ	ꟾ ȝ ᴺ Ꮆ
---- χ	ꟾ ꞉ ꜰ ᾒ ᴺ Ꮆ ꞉ ₺ ꞉ ꜰ ᾒ ᴺ Ψ ᖘ
Note χ	
BR χ	Company Code
Q:	Automobile halogen-free product Code
050N06S χ	Product Type Code
****:	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)