

PDFN5Ö6 M T N 5 J 6 Z 1

N-Channel MOSFET in a PDFN5×6 Plastic Package.

$V_{DS}(V)=60\text{ V}$ $I_D=81\text{ A}$

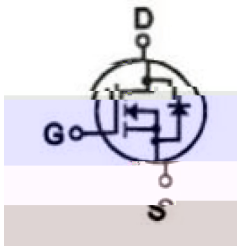
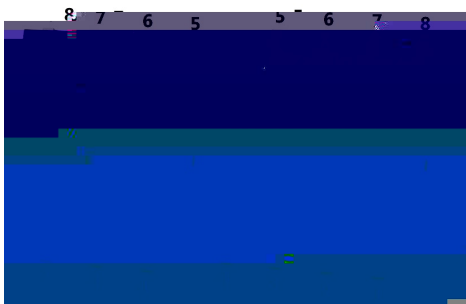
$R_{DS(ON)}@10V\leq 5.2\text{ m}\Omega$ (Typ. 4.9mF)

$R_{DS(ON)}@4.5V\leq 7.5\text{ m}\Omega$ (Typ.6.8mR)

1 T AEC-Q101 % 2 1 3 4 5 6 7 8 Qualified to AEC-Q101 Standards for High Reliability, HF Product.

8 1 2 3 4 5 6 7 8 GF0GF 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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

8 M 1 2 3 4 5 6 7 8

See Marking Instructions.

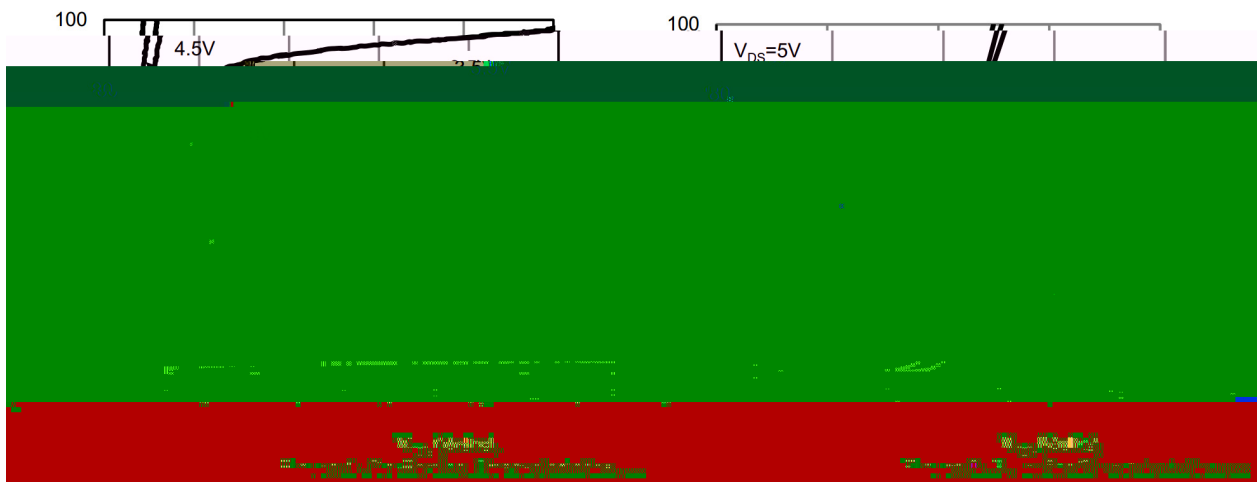
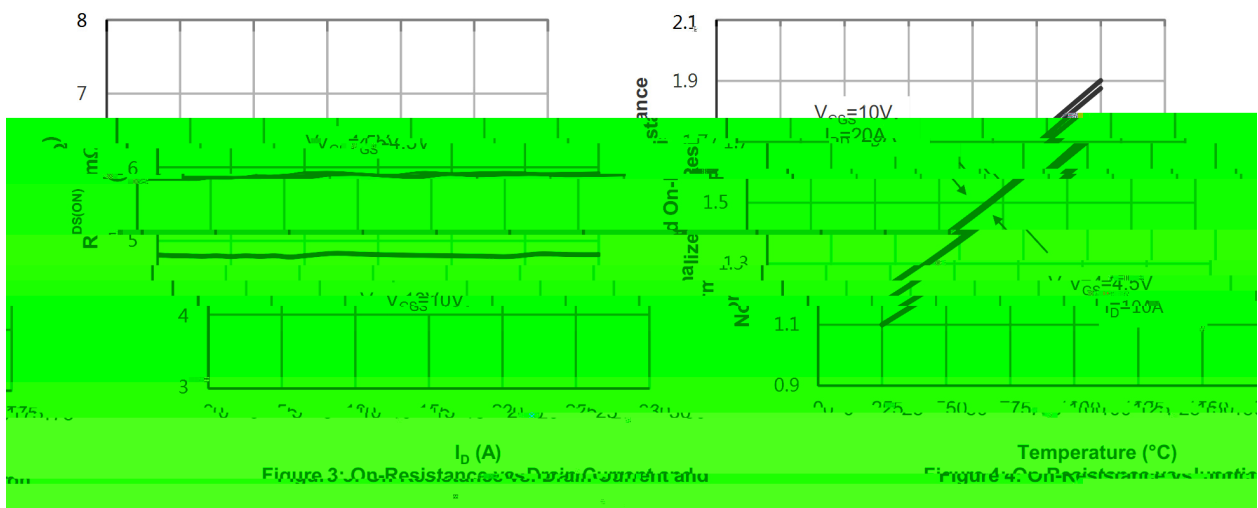
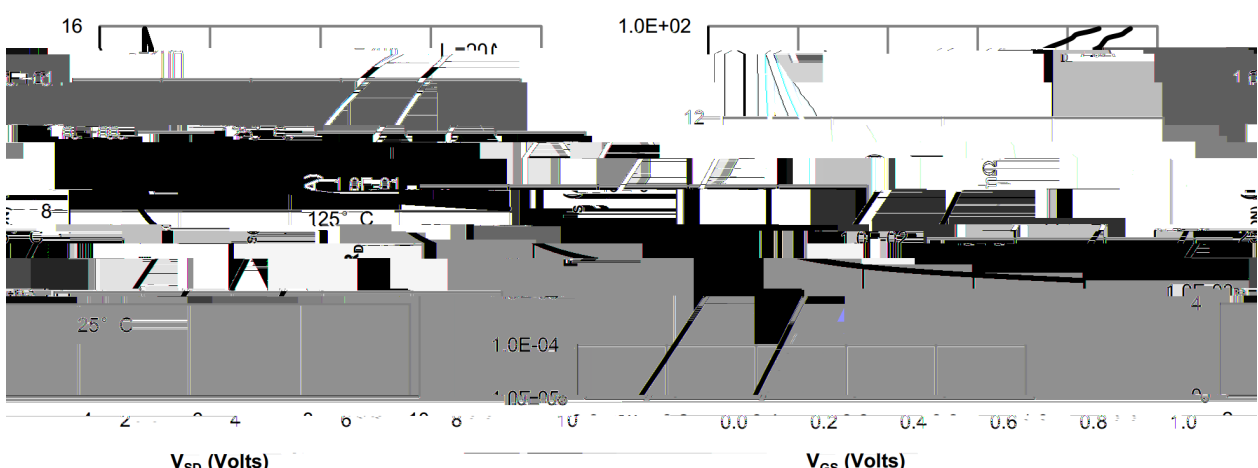
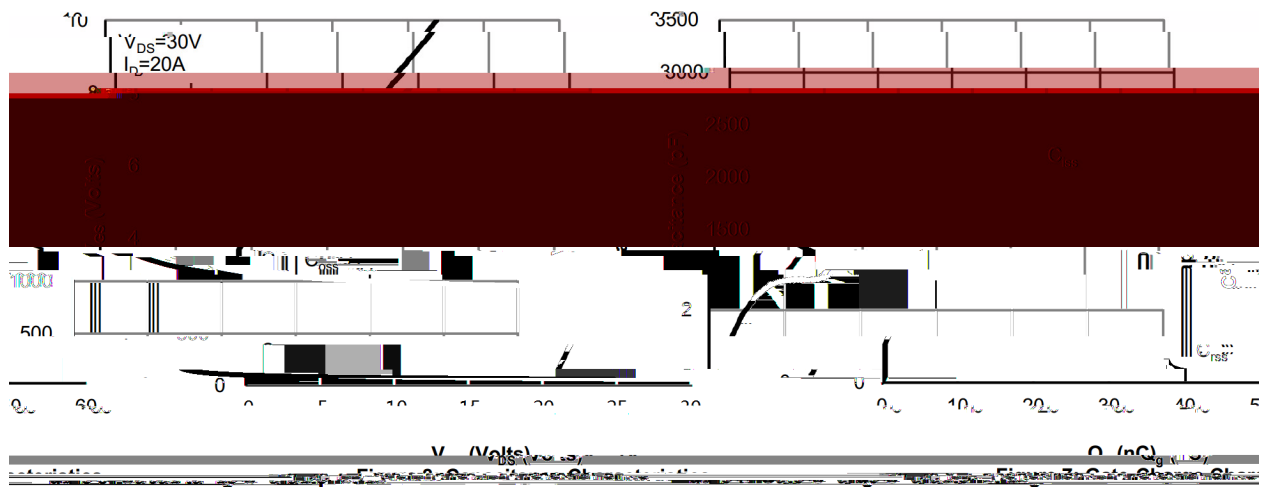
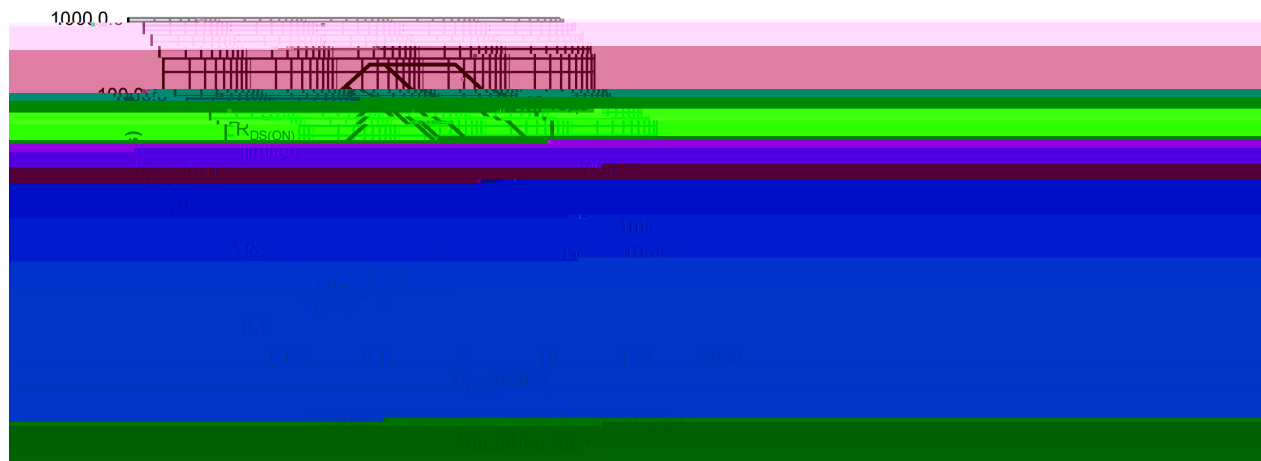
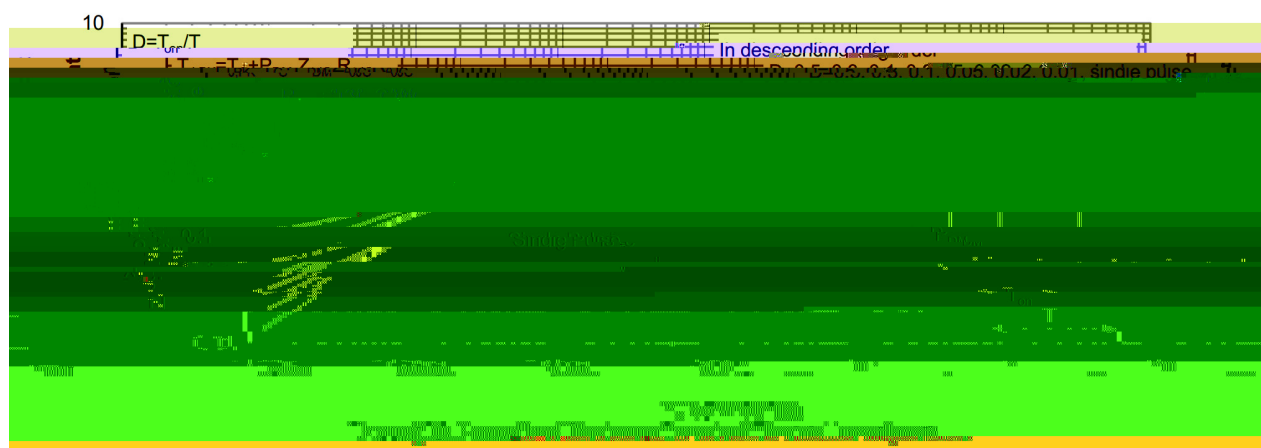


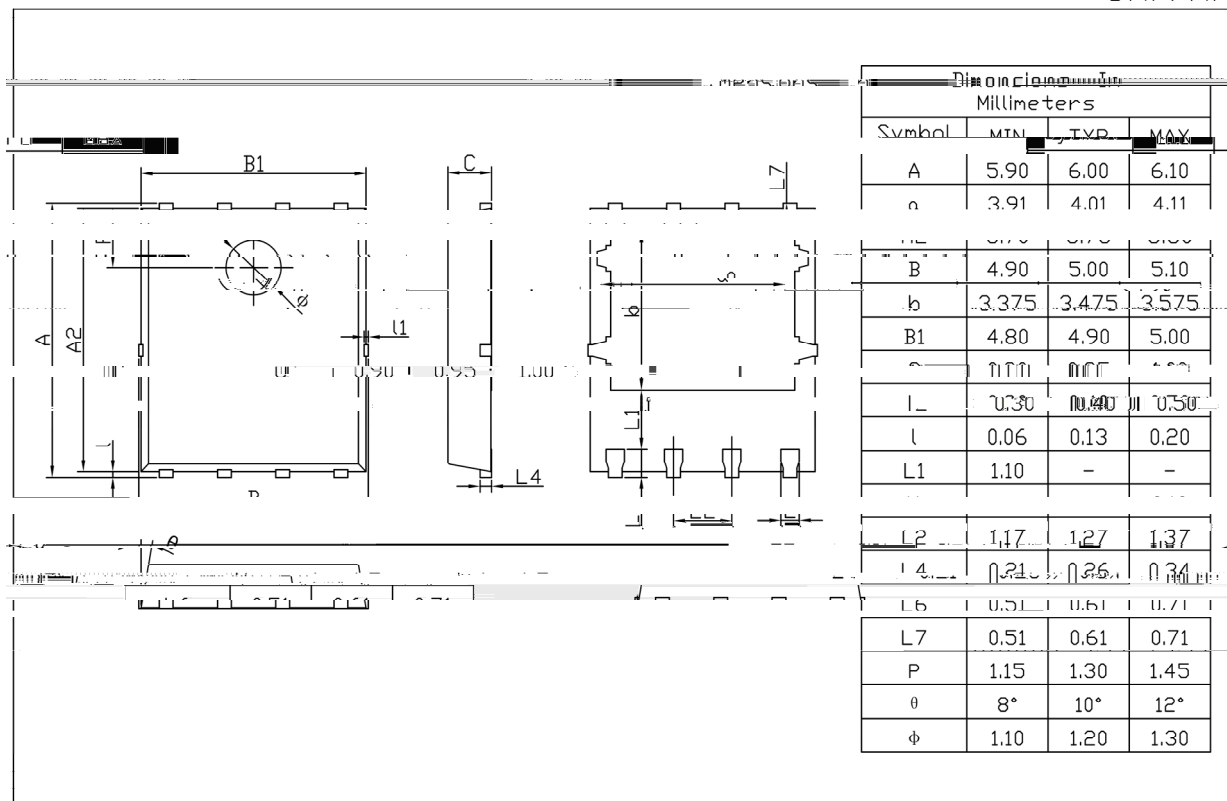
Figure 6: Body Diode Characteristics

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



PDFN5 X6

Unit:mm



Rev.01 202209



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EU χ	⌂ 3 " Γϭ
T χ	⌂ ∩ ϭ ḡ f β %o V̂
050N06S χ	⌂ 3 " Γϭ
---- χ	⌂ 1 f ḡ " Γϭ 1 ϭ 1 f ḡ " Ψ ϭ
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)

