

Rev.B Aug.-2026

器件

PDFN5×6 N

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

参数

$V_{DS} (V) = 60V$ $I_D = 123A (V_{GS} = \pm 20V)$

$R_{DS(ON)} @ 10V \leq 3.0m\Omega (Typ. 2.7m\Omega)$

$R_{DS(ON)} @ 6V \leq 5.0m\Omega (Typ. 3.3m\Omega)$

HF Product.

应用

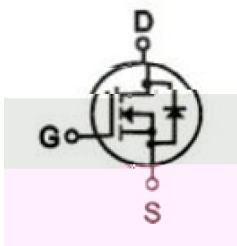
MB/NB/UMPC/VGA

Buck

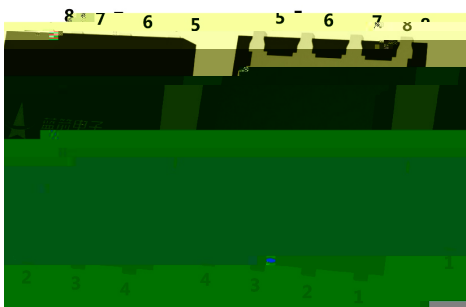
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Battery Management, High Frequency Point-of-Load Synchronous Buck Converter for MB/NB/UMPC/VGA, Networking DC-DC Power System, Load Switch.

封装



引脚



PIN1 2 3 S PIN4 G PIN5 6 7 8 D

Pin	极性
1	S
2	S
3	S
4	G
5	D
6	D
7	D
8	D

标记

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	60	V
Continuous Drain Current	I_D	123	A
Pulsed Drain Current	I_{DM}	253	A
Gate-Source Voltage	V_{GS}	± 20	V
Power Dissipation	$P_D(T_c=25^\circ C)$	83	W
Avalanche energy(L=0.5mH)	E_{AS}	1000	mJ
Avalanche Current(L=0.5mH)	I_{AS}	44.7	A

Junction and Storage Temperature Range

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Parameter

3A'EV f

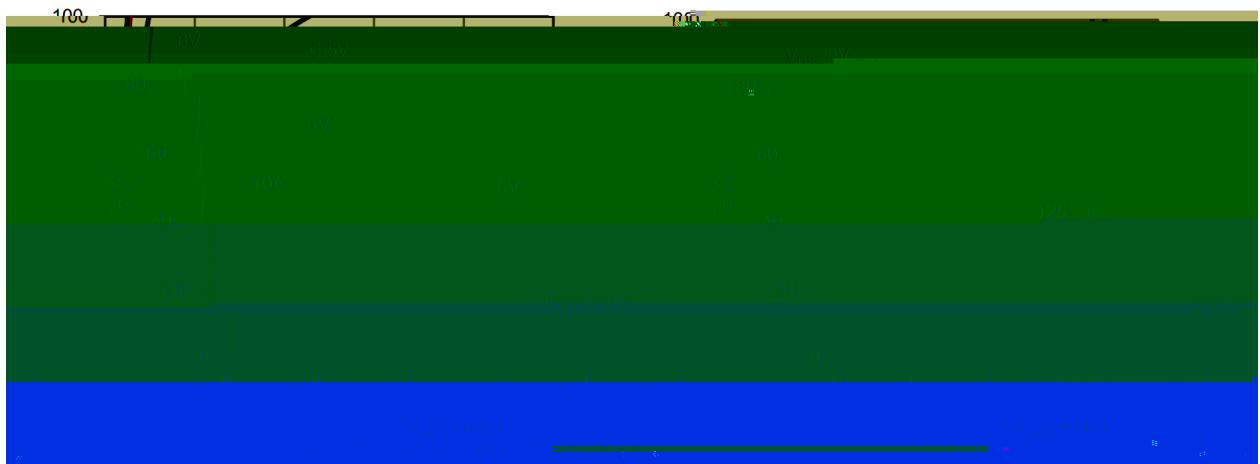
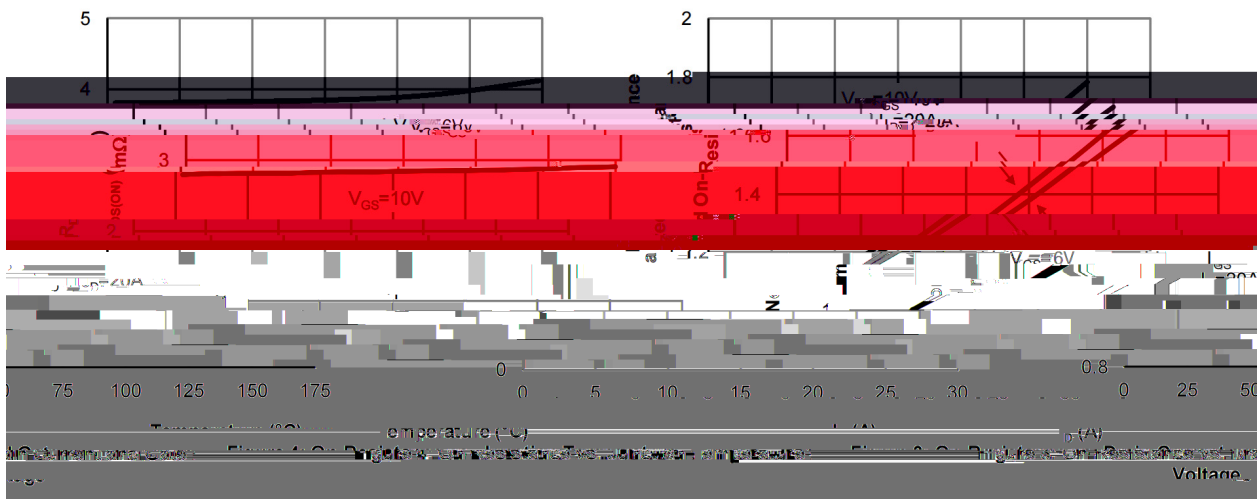
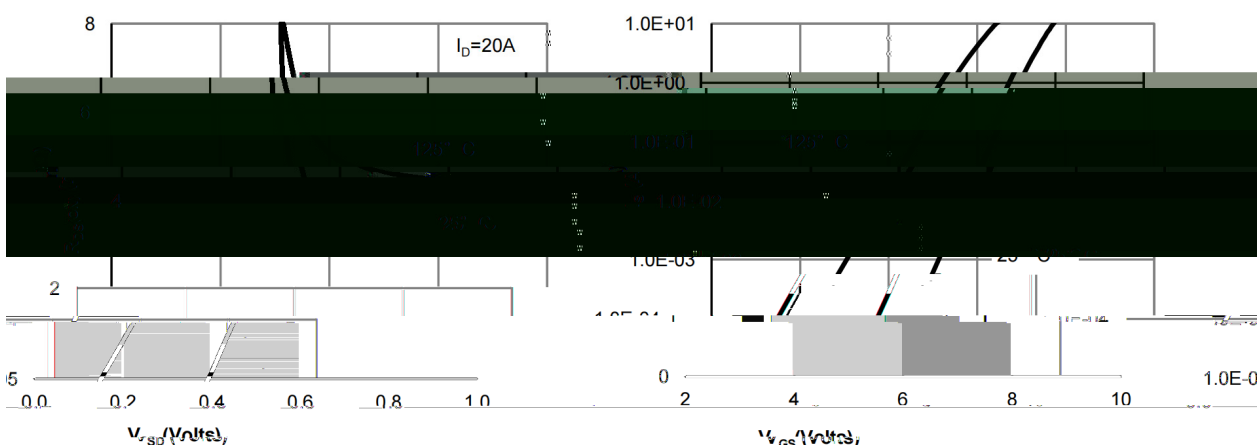


Figure 6: Body-Diode Characteristics

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

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