"Yت / Descriptions

PDFN5×6 N

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

◕ È / Features

V_{DS} (V) = 60V I_D =123A (V_{GS} = ±20V)

$R_{DS(ON)}$@10V≤3.0mΩ(Typ.2.7mΩ)

$R_{DS(ON)}$@6V≤5.0mΩ(Typ.3.3mΩ)

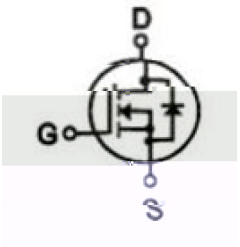
HF Product.

٧ ﻉ / Applications

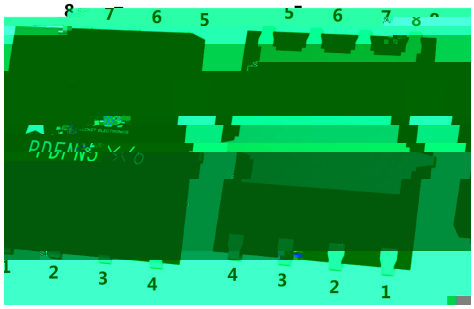
MB/NB/UMPC/VGA Buck -

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

Л ف ̊ ̃ ◦ ع / Equivalent Circuit



ã ﻵ ŭ ̃ / Pinning



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

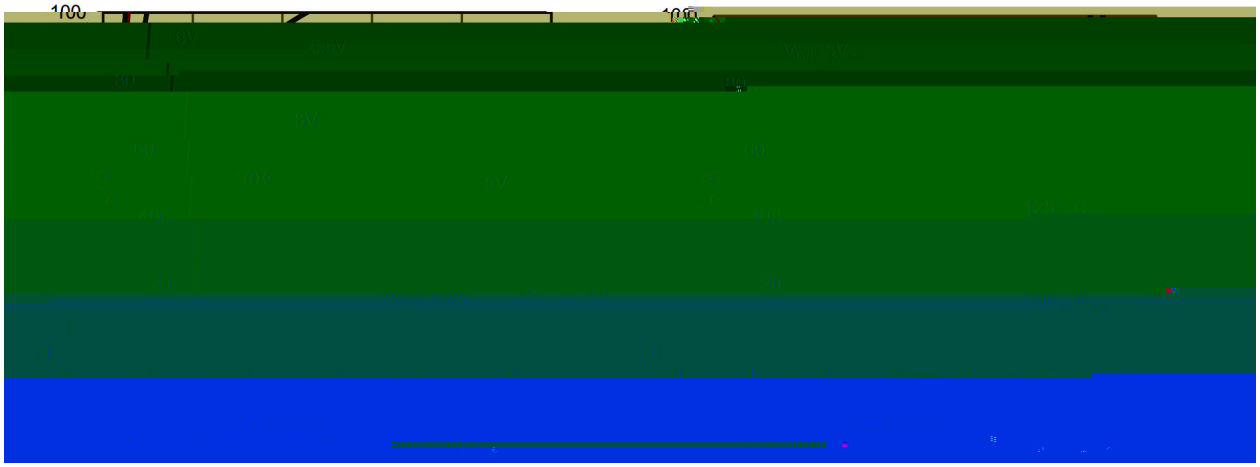
ł. ʜ ב / Marking

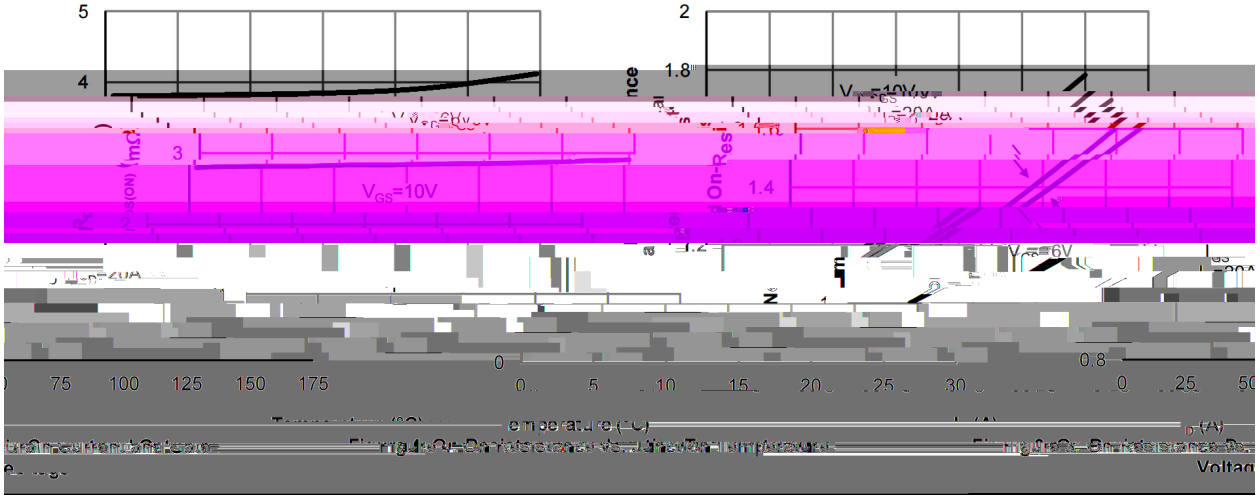
See Marking Instructions.

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	$P_D(T_c=25$)	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			

Parameter

≠ Ǝ ÃʹE ᛋ ƒ / Electrical Characteristic Curve





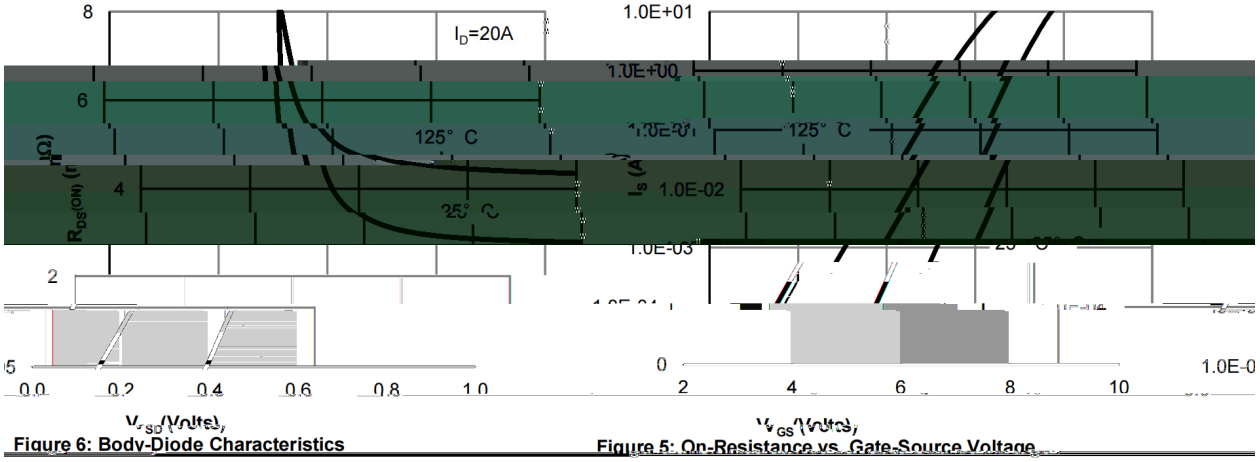


Figure 6: Body-Diode Characteristics

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

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Rev.B Aug.-2026