

/ Descriptions

PDFN5×6 N

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

/ Features

 $V_{DS}(V)=40V$ $I_D=60A$ $R_{DS(ON)}@10V\dot{0}6m\dot{Y}$ (Typ. 5.6mq) $R_{DS(ON)}@4.5V\dot{0}9mq$ (Typ.7.8mq)

HF Product.

/ Applications

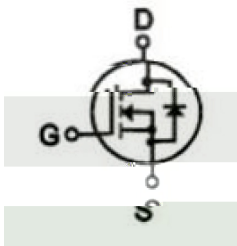
MB/NB/UMPC/VGA

Buck

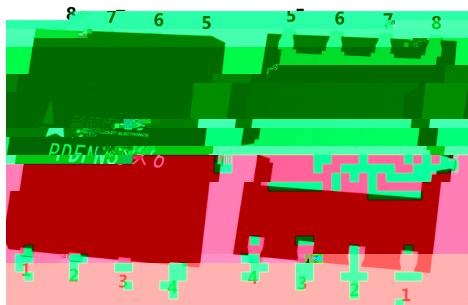
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Battery Management,High Frequency Point-of-Load Synchronous Buck Converter for MB/NB/UMPC/VGA,Networking DC-DC Power System,Load Switch.

/ Equivalent Circuit



/ Pinning



PIN1 2 3 S PIN4 G PIN5 6 7 8 D

/ Marking

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=20V$ $I_D=20A$ $R_{GEN}=3.3\Omega$		11		ns
Turn-On Rise Time	t_r			69		
Turn-Off Delay Time	$t_{d(off)}$			39		
Turn-Off Fall Time	t_f			9.3		

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BRCS060N04ZC

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