

Rev.A May.-2023

PDFN5×6A                    N  
Dual N-CHANNEL MOSFET in a PDFN5×6A Plastic Package.

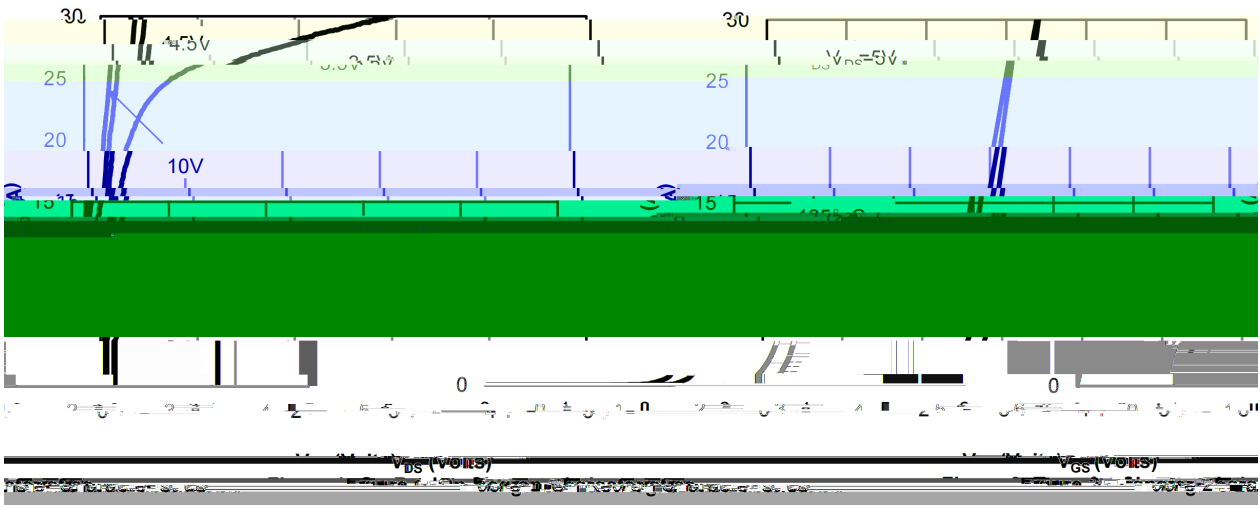
Dual N-Ch  
 $V_{DS}(V)=30V$   
 $I_D=33A$   
 $R_{DS(ON)}<12m$  ( $V_{GS}=10V$ )  
 $R_{DS(ON)}<20m$  ( $V_{GS}=4.5V$ )  
HF Product.

PWM

LED

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DSS}$	30	V
Drain Current	$I_D(T_C=25^\circ\text{C})$	33	A
Drain Current - Pulsed	$I_{DM}$	104	A
Gate-Source Voltage	$V_{GSS}$	$\pm 20$	V
Single Pulsed Avalanche Energy	$E_{AS}$	115	mJ
Avalanche Current	$I_{AS}$	17	A
Power Dissipation	$P_D(T_C=25^\circ\text{C})$	21	W
Operating and Storage Temperature Range	$T_J, T_{stg}$	-55 to 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=15V$ $R_L=1.25$ $R_{GEN}=3$		4.5		ns
Turn-On Rise Time	$t_r$			10		



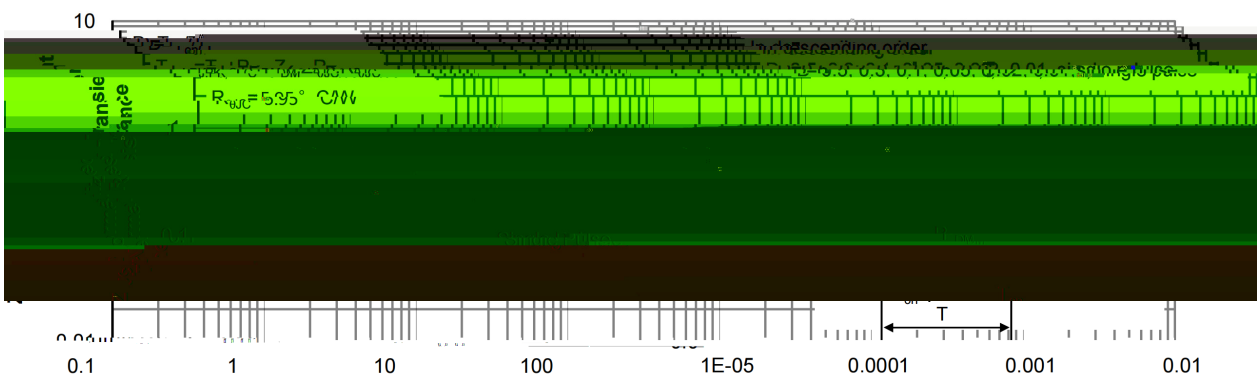
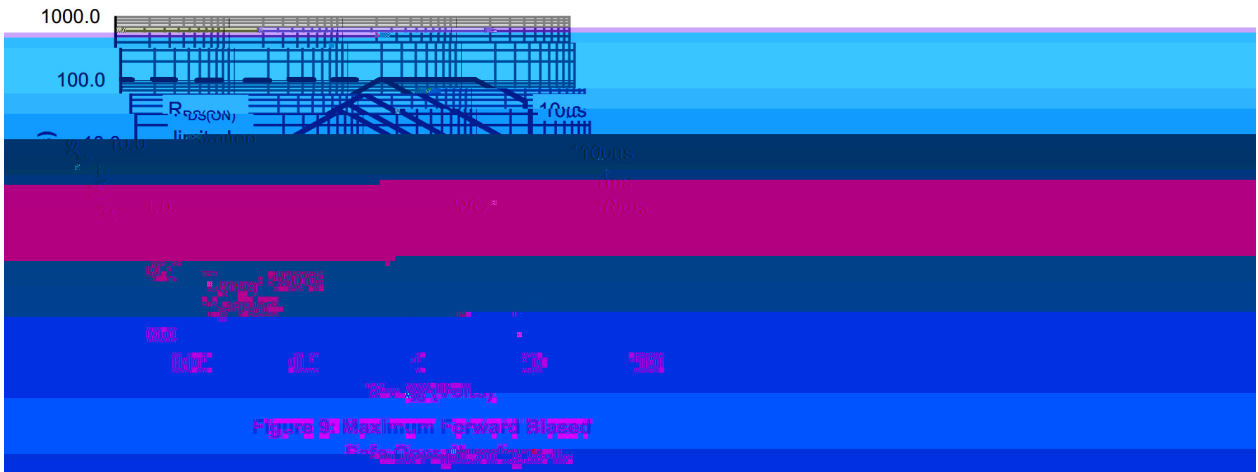
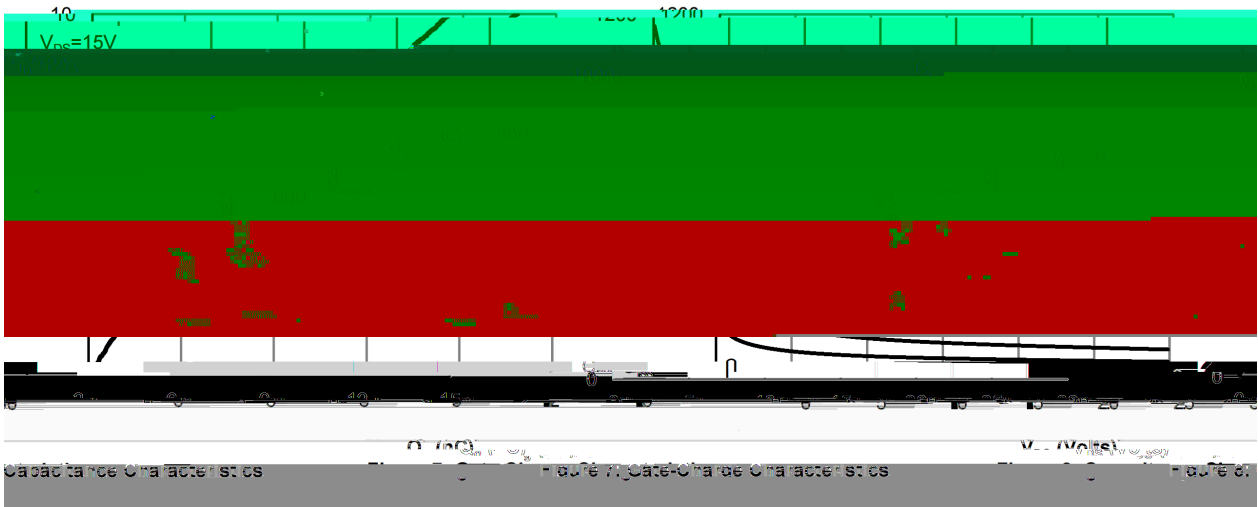
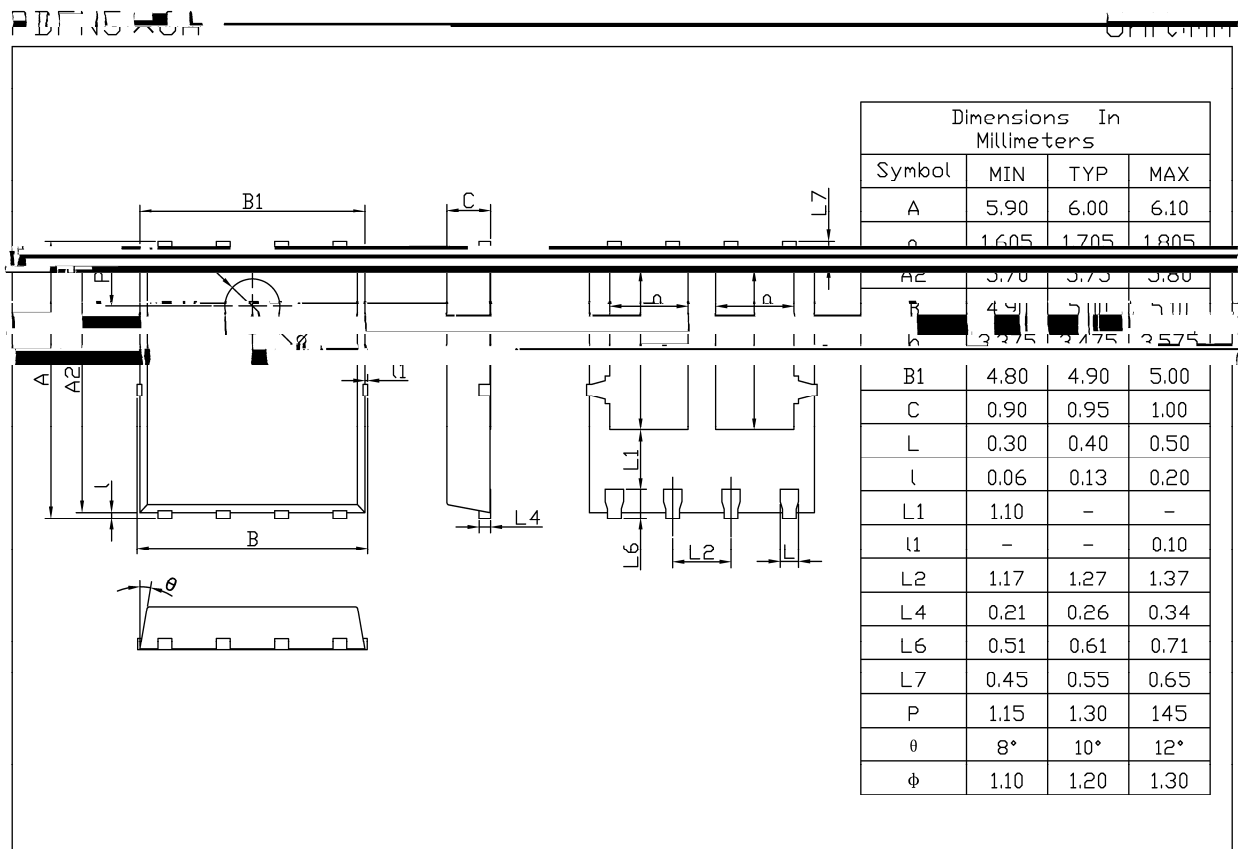


Figure 9: Gate-Charge Characteristics

Figure 10: Normalized Maximum I



Rev.01 202209



BR

120N03

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Note

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Company Code

120N03

Product Type Code

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Lot No. Code, code change with Lot No

