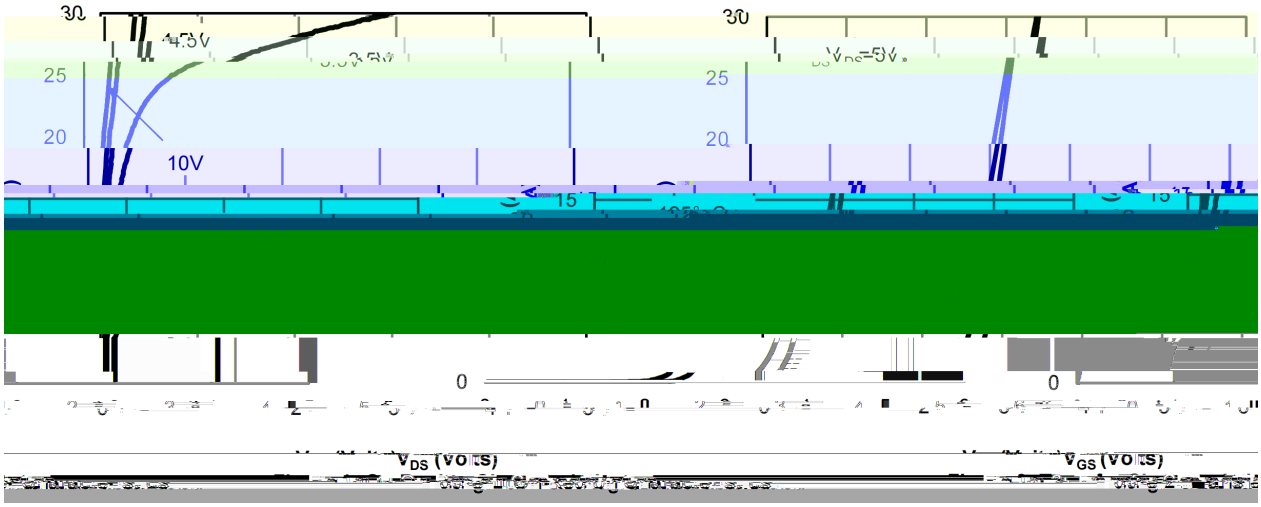
PDFN5×6A N
Dual N-CHANNEL MOSFET in a PDFN5×6A Plastic Package.

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

PWM LED

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	30	V
Drain Current	I_D(Tc=25)	33	A
Drain Current - Pulsed	I_{DM}	104	A
Gate-Source Voltage	V_{GSS}	±20	V
Single Pulsed Avalanche Energy	E_{AS}	115	mJ
Avalanche Current	I_{AS}	17	A
Power Dissipation	P_D(Tc=25)	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=1.25Ω R_{GEN}=3Ω		4.5		ns
Turn-On Rise Time	t_r			10		


30
25
20
10V
4.5V
15
0
V_{DS} (VOLTS)
30
25
20
15
0
V_{GS} (VOLTS)

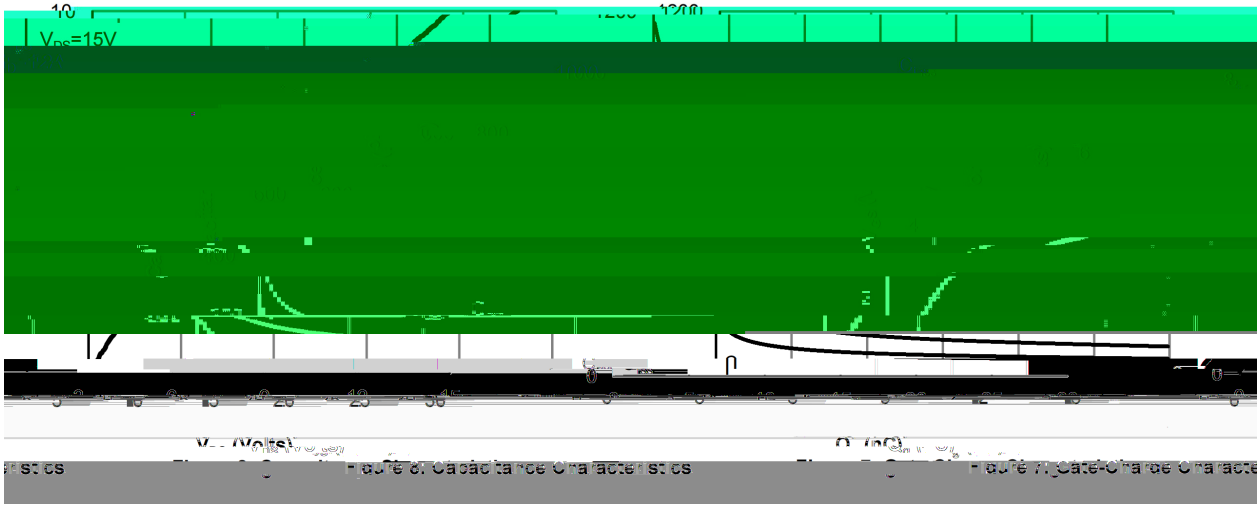


Figure 8: Capacitance Characteristics

Figure 7: Gate-Charge Characteristics

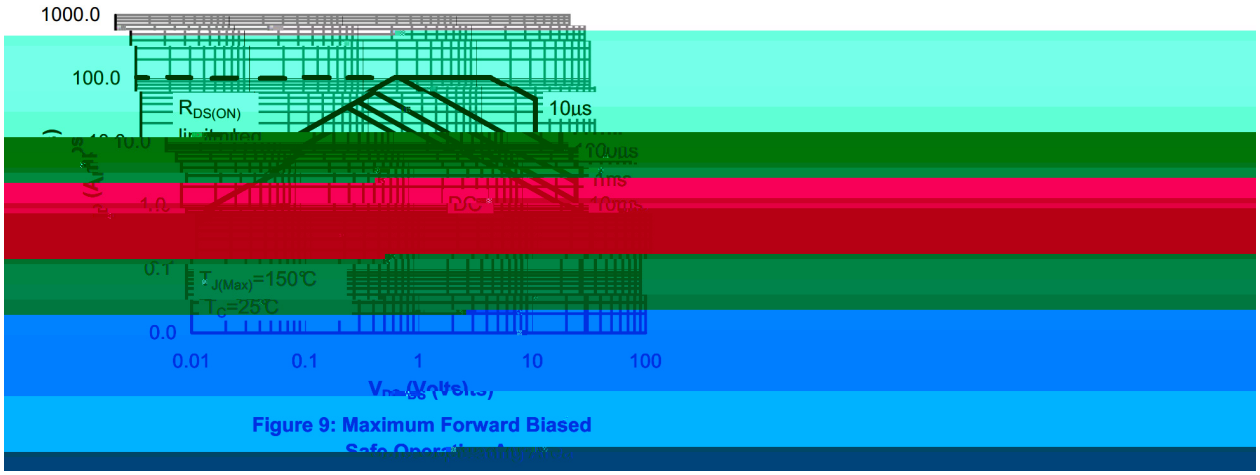
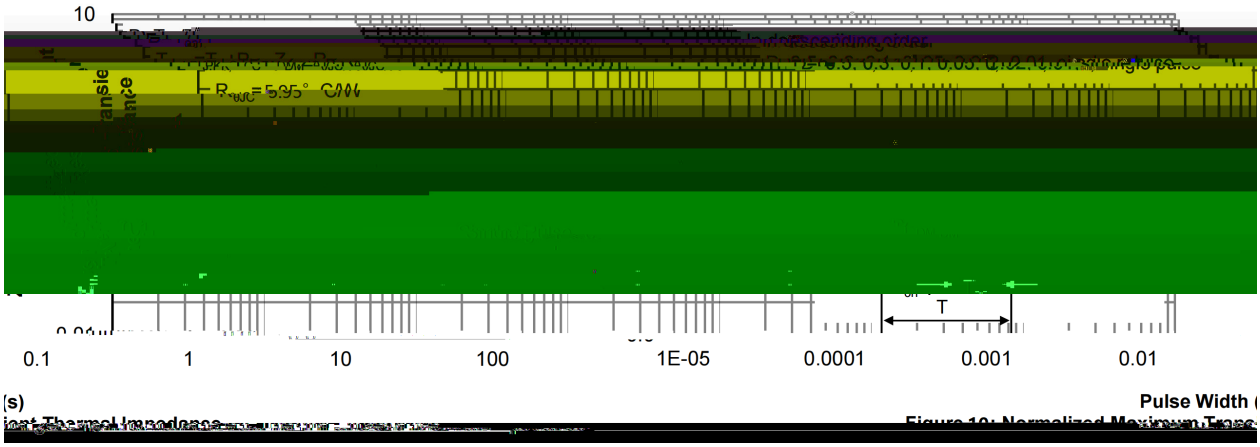
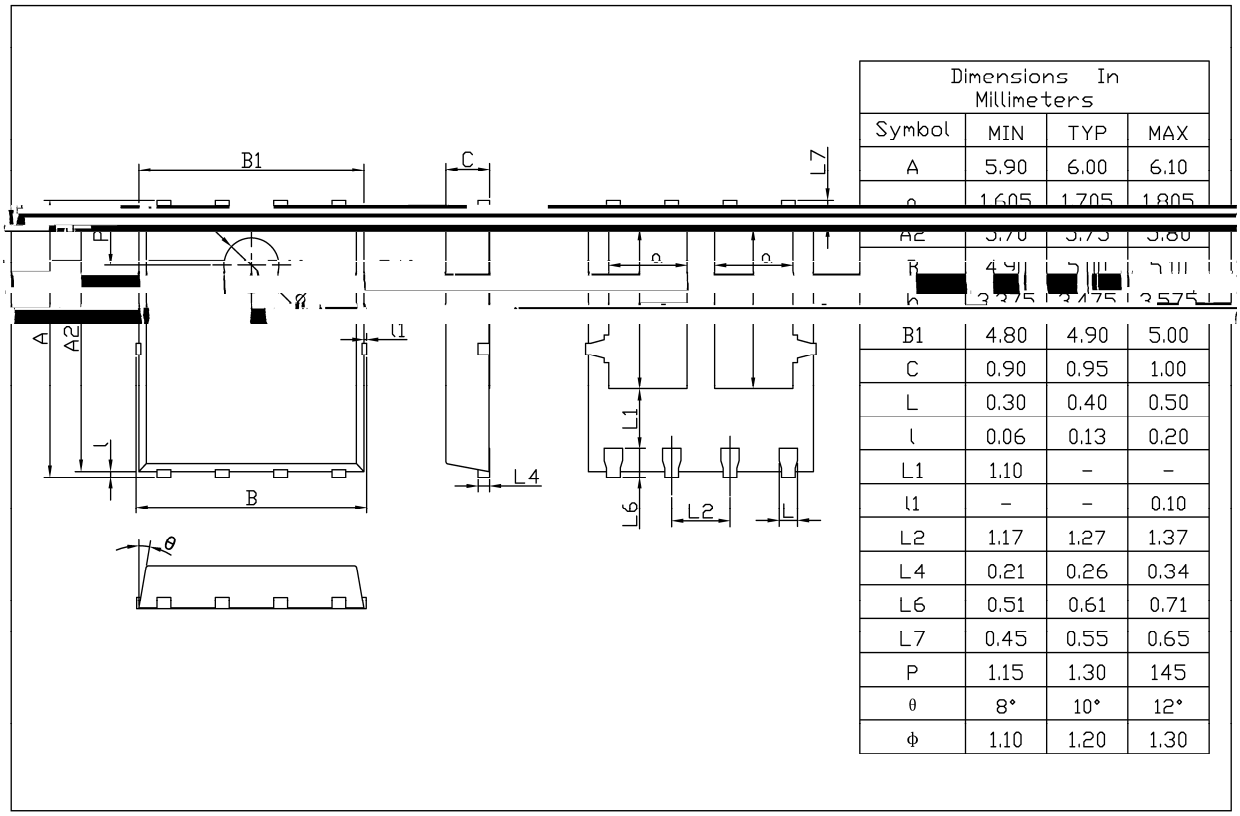


Figure 9: Maximum Forward Biased



(s)

Pulse Width (



Dimensions In Millimeters			
Symbol	MIN	TYP	MAX
A	5.90	6.00	6.10
B1	4.80	4.90	5.00
C	0.90	0.95	1.00
L	0.30	0.40	0.50
l	0.06	0.13	0.20
L1	1.10	–	–
l1	–	–	0.10
L2	1.17	1.27	1.37
L4	0.21	0.26	0.34
L6	0.51	0.61	0.71
L7	0.45	0.55	0.65
P	1.15	1.30	145
θ	8°	10°	12°
ϕ	1.10	1.20	1.30

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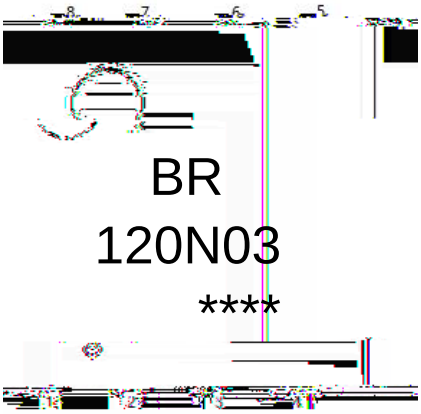

BR

120N03

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Note

BR	Company Code
120N03	Product Type Code
****:	Lot No. Code, code change with Lot No