/ Descriptions

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/ Features

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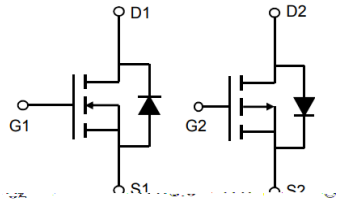
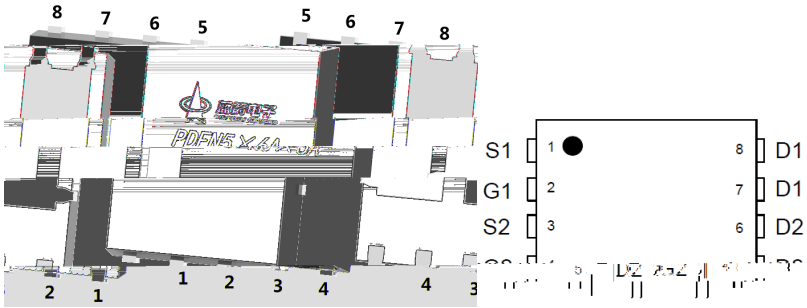
/ Applications





/ Marking

/ Absolute Maximum Ratings(T_a=25)

	℃			
	Θ			
	Θ			

		μ				
						μ
		μ				
						Ω
						Ω

N-　　/　N-CHANNEL Electrical Characteristic Curve

Figure 1. On-Region Characteristics　　Figure 2. Transfer Characteristics

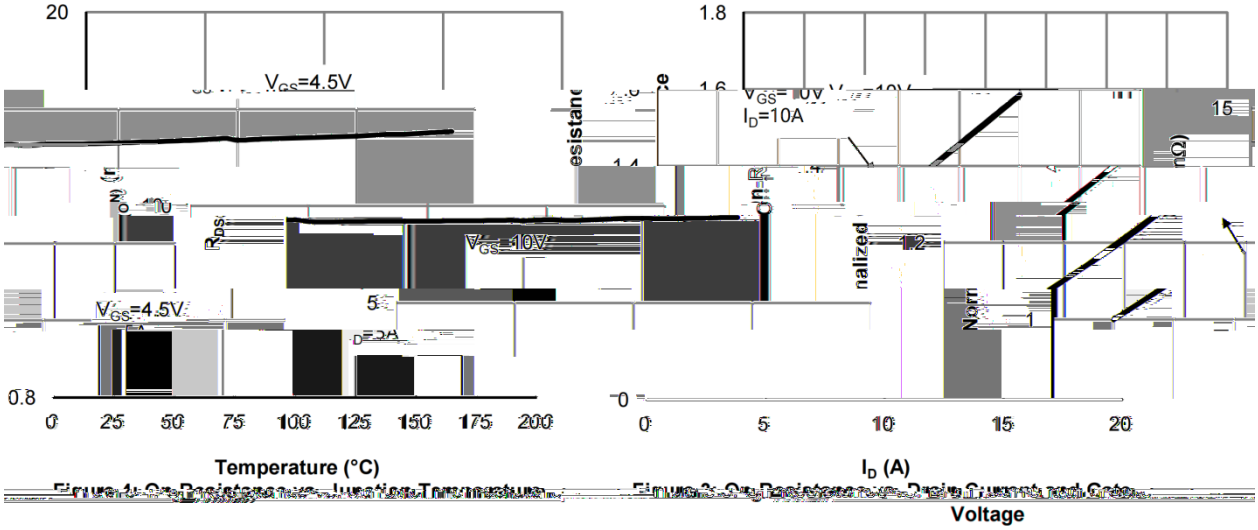
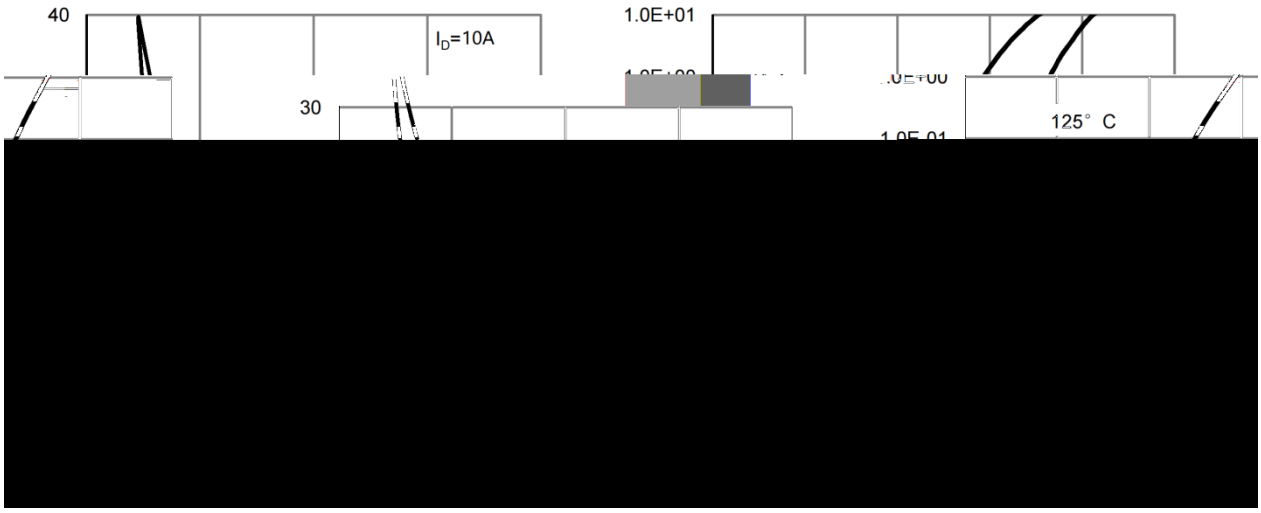
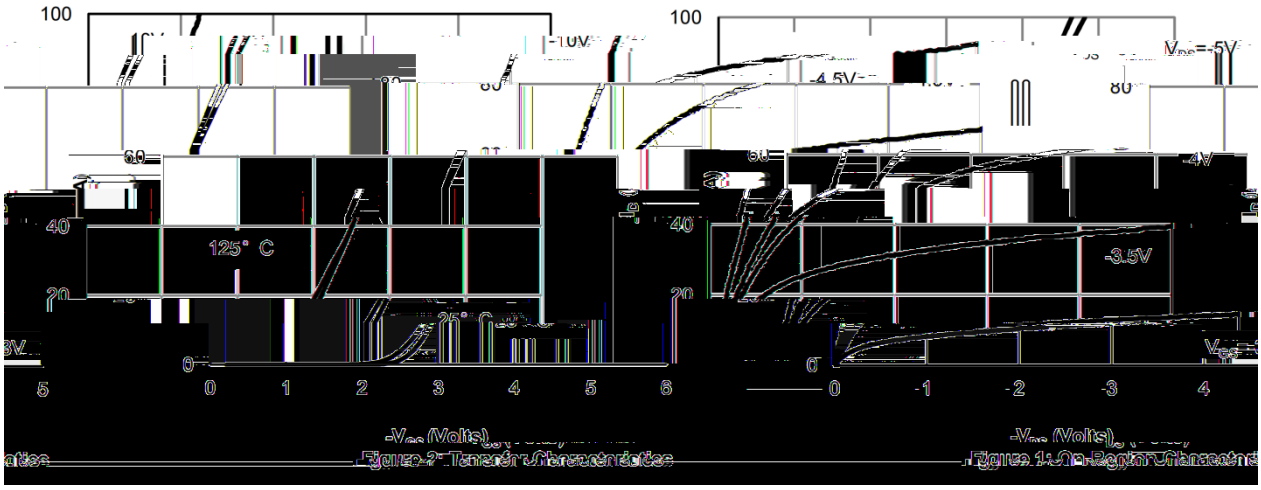


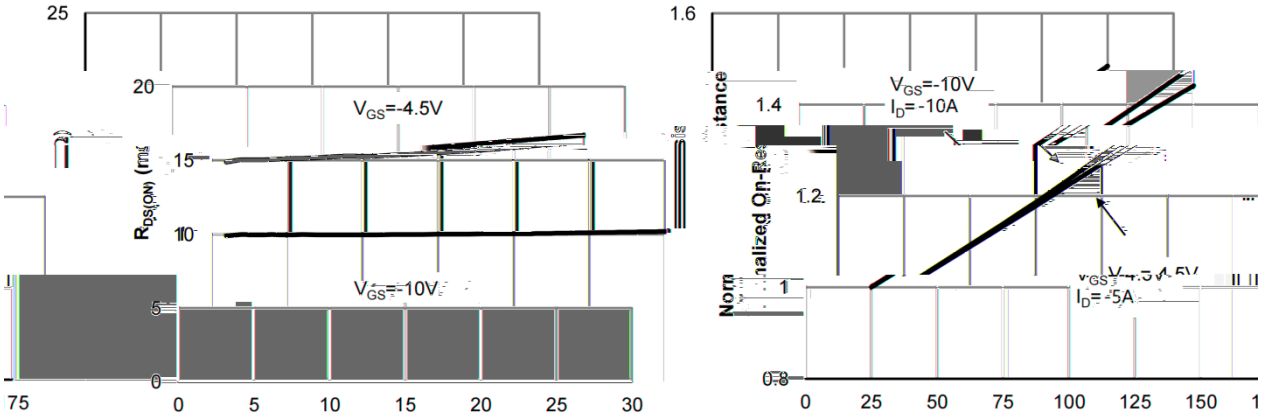
Figure 3. On-Resistance Variation with Temperature　　Figure 4. On-Resistance Variation with Drain Current and Gate Voltage



BRCS080C03YM

P– / P-CHANNEL Electrical Characteristic Curve





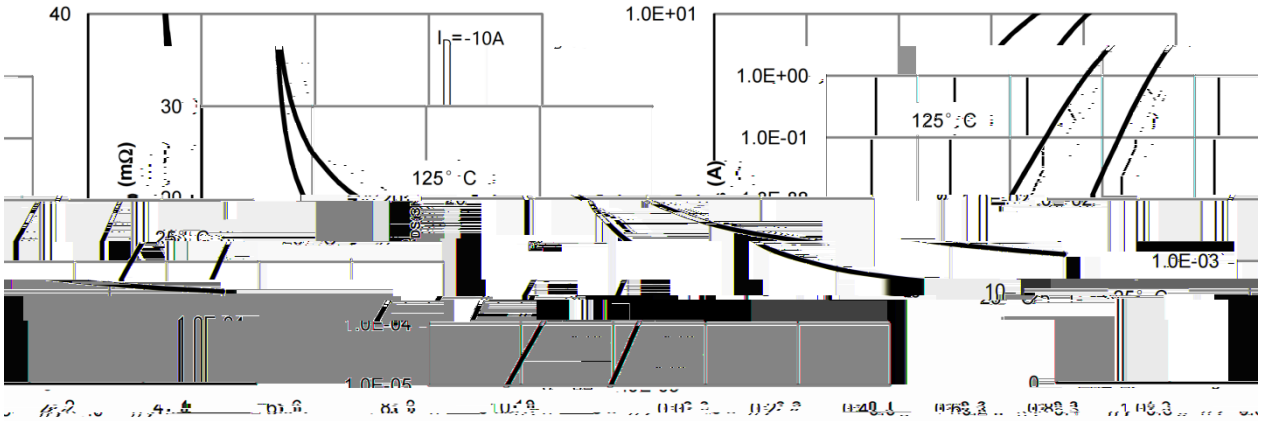


Figure 5: On-Resistance vs. Gate-Source Voltage

Figure 6: Body-Diode Characteristi

P– / P-CHANNEL Electrical Characteristic Curve

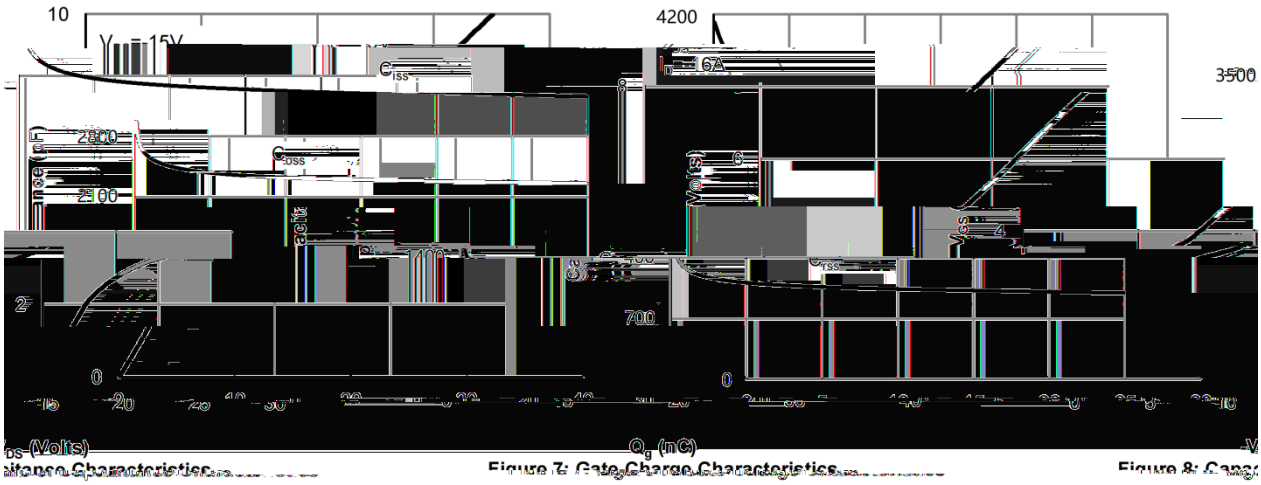
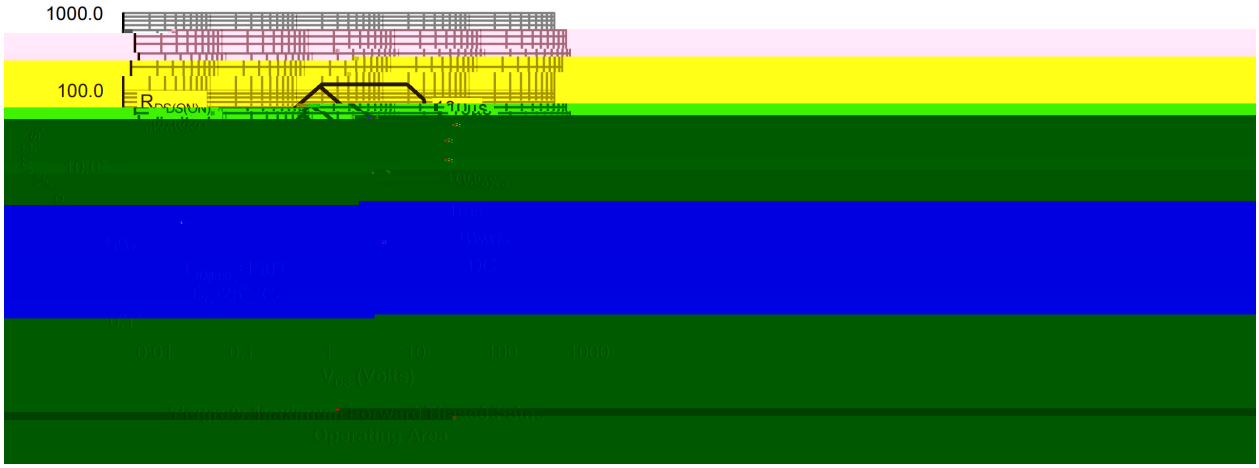


Figure 7: Gate Charge Characteristics

Figure 8: Capac



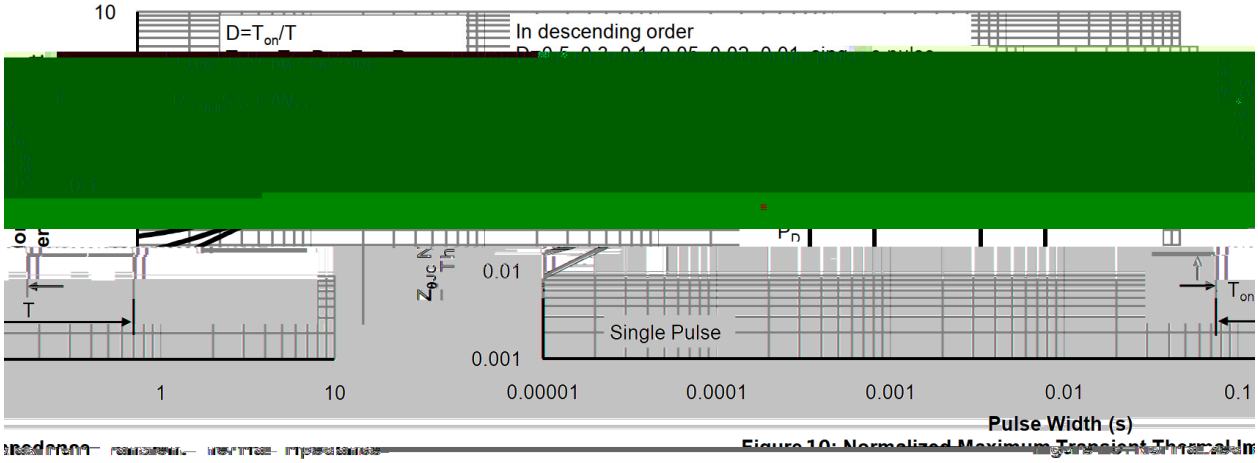
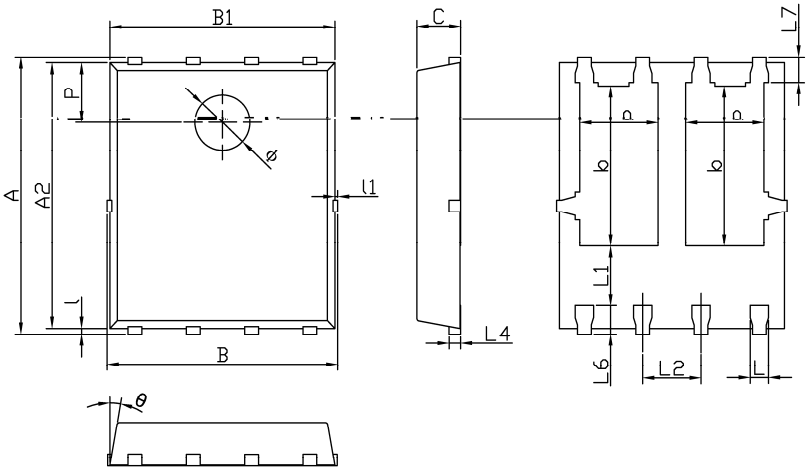


Figure 10: Normalized Maximum Transient Thermal Im

/ Package Dimensions

PDFN5X6A

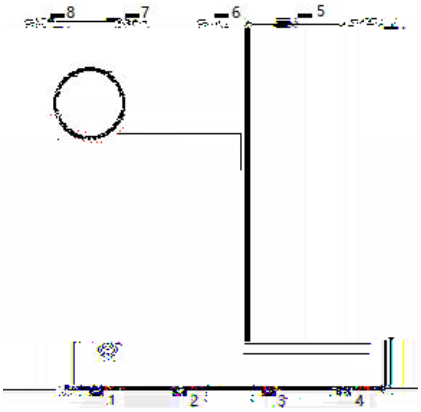
Unit:mm



Dimensions In Millimeters			
Symbol	MIN	TYP	MAX
A	5.90	6.00	6.10
a	1.605	1.705	1.805
A2	5.70	5.75	5.80
B	4.90	5.00	5.10
b	3.375	3.475	3.575
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

Rev.01 202209

/ Marking Instructions



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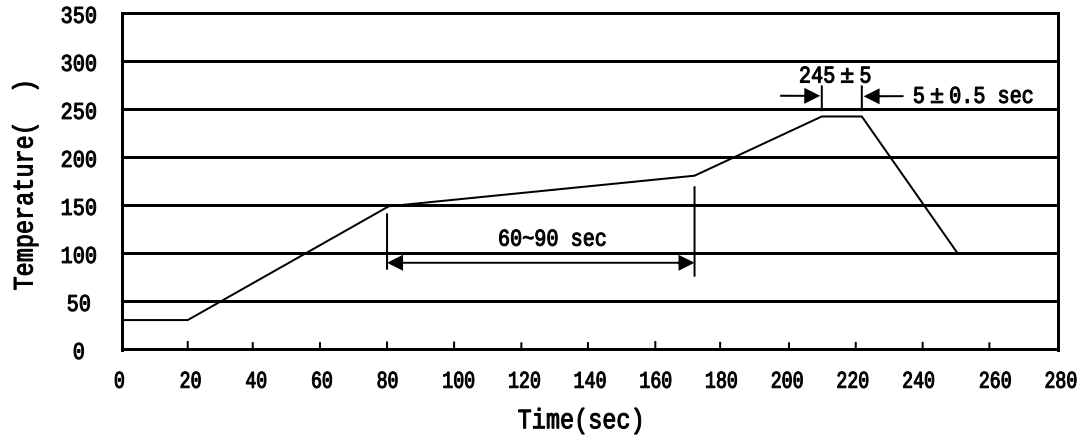
( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box

/ Notices