

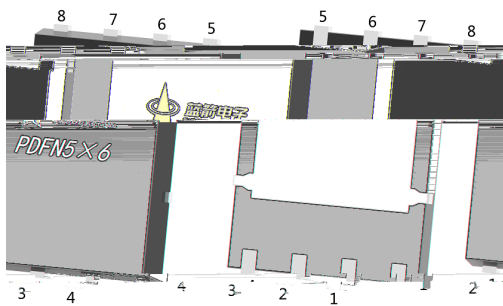
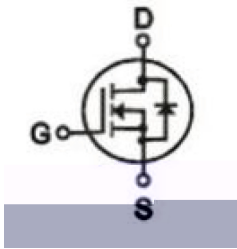
Rev.B Jan.-2024

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

Low $R_{DS(ON)}$ to minimize conductive loss; low Gate Charge for fast switching; Low Thermal resistance;
HF Product.

LED

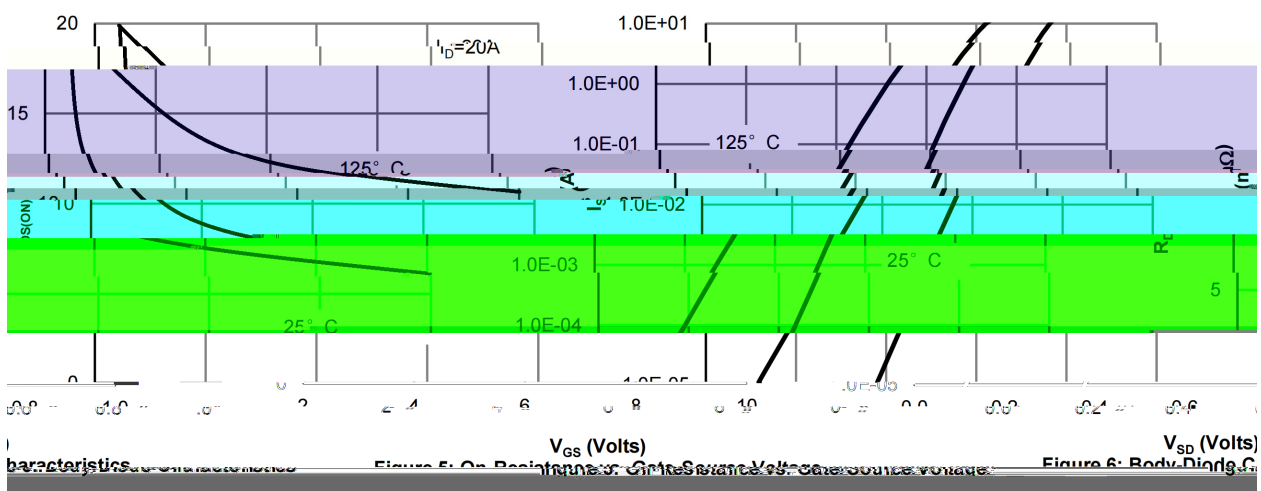
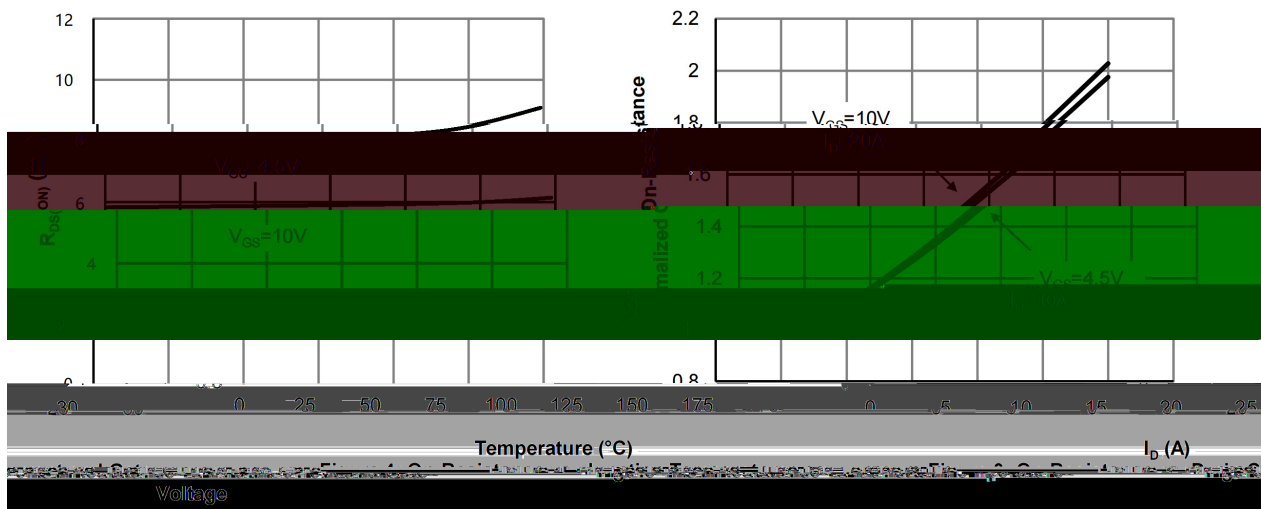
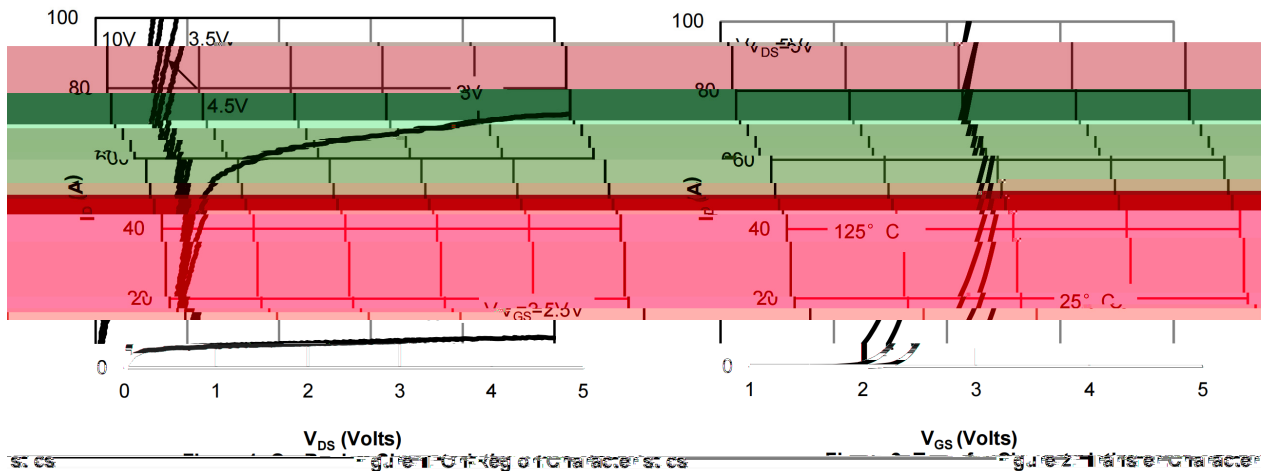
For boost converters and synchronous rectifiers for consumer, telecom, industrial power supplies and LED backlighting.

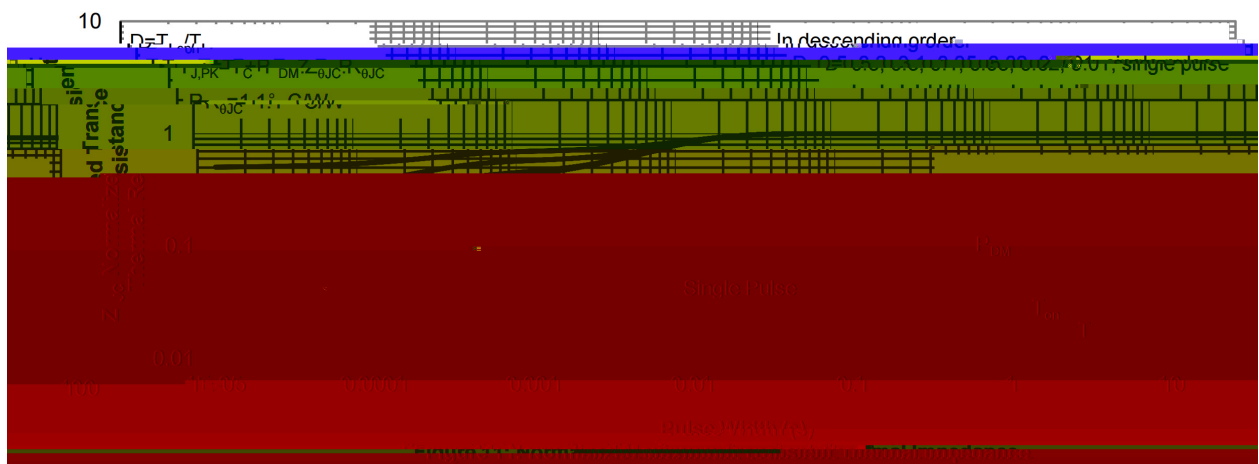
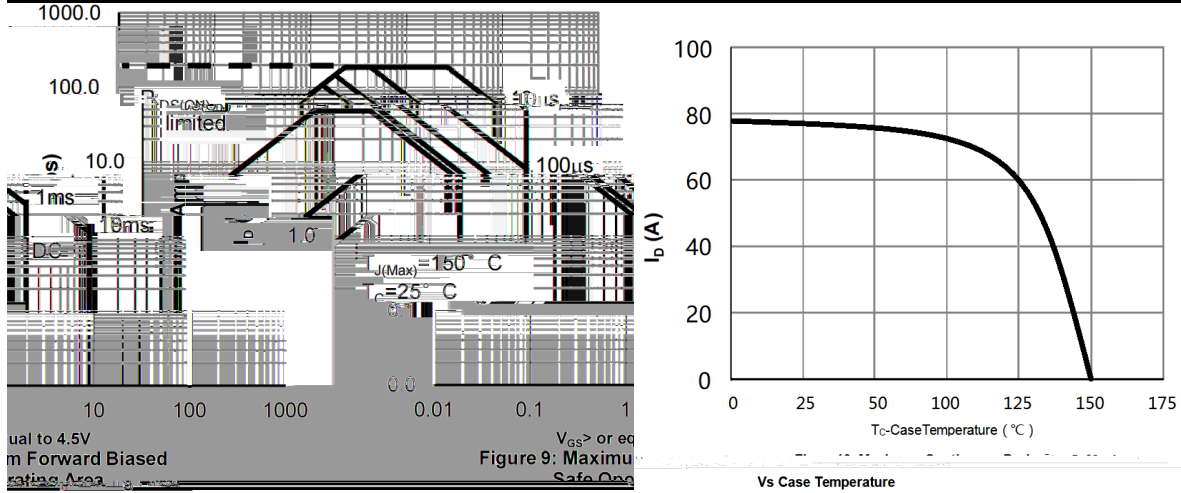
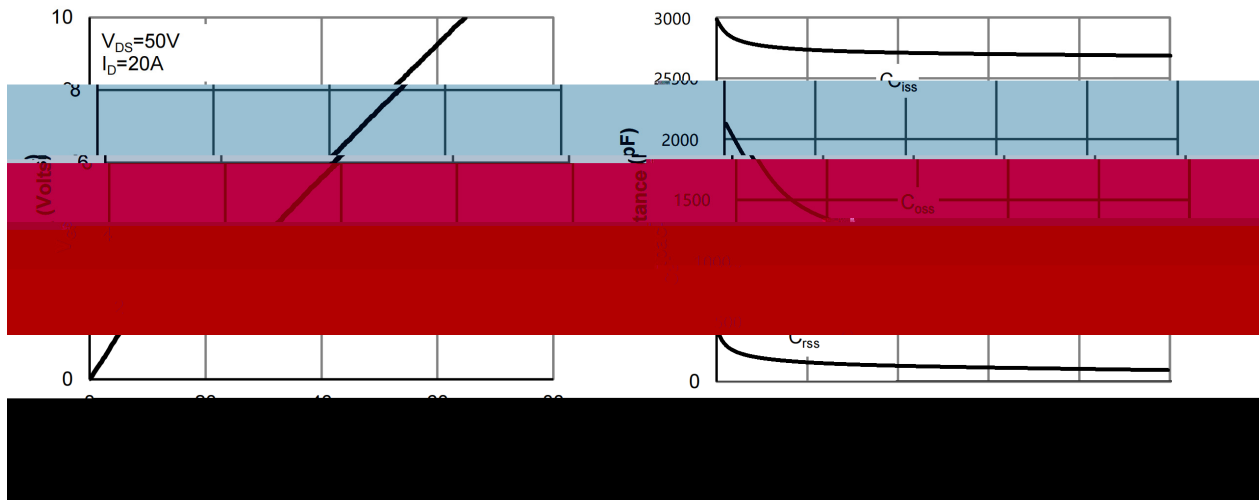


PIN1、2、3: S PIN4:

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	100	V
Drain Current - Continuous	I_D	90	A
Drain Current – Pulsed	I_{DM}	200	A
Gate-Source Voltage	V_{GS}	± 20	V
Power Dissipation	$P_D(T_c=25^{\circ}\text{C})$		

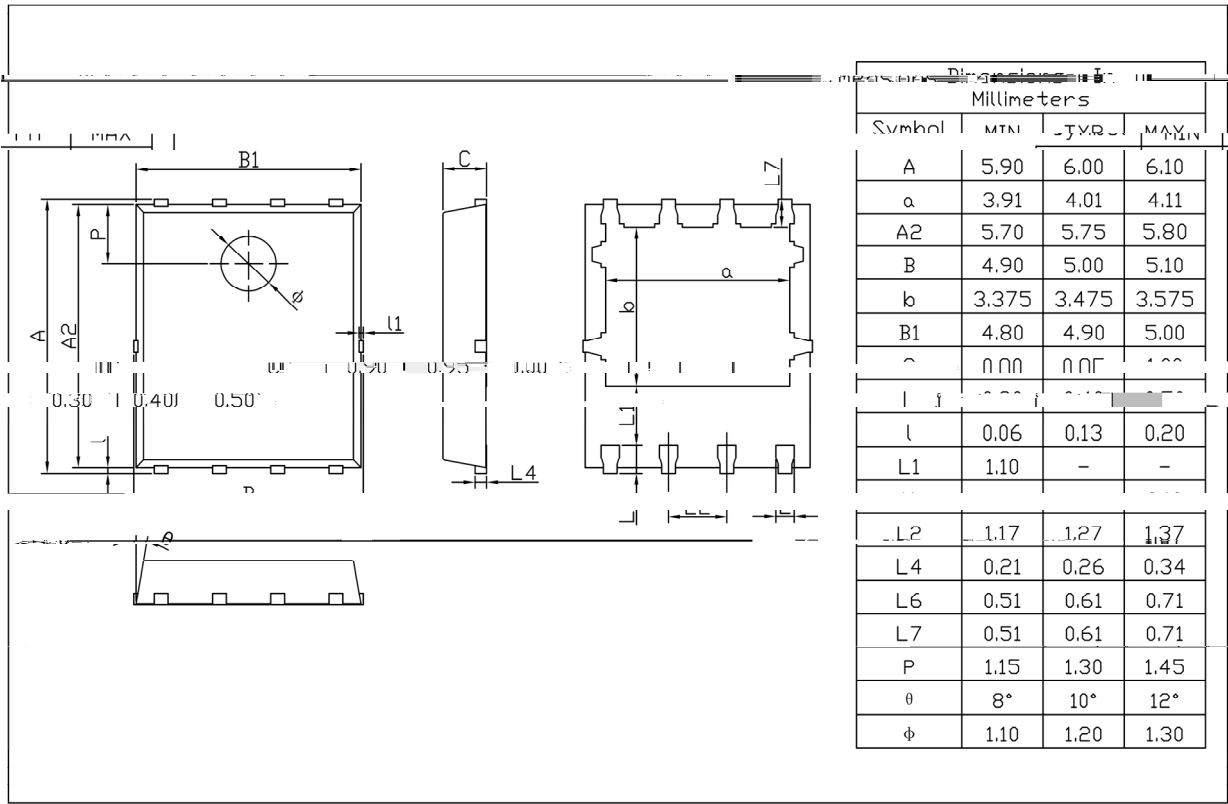
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{D(on)}$	$V_{GS}=10V, V_{DS}=50V,$ $R_L=2.5\Omega, R_{GEN}=3\Omega$		10		ns
Turn-On Rise Time	t_r			6		
Turn-Off Delay Time	$t_{D(off)}$			51		
Turn-Off Fall Time	t_f			9		



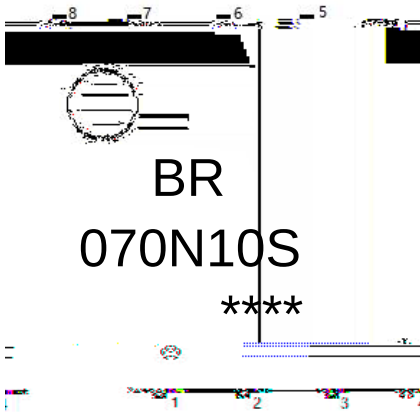


PDFN5 X6

Unit:mm



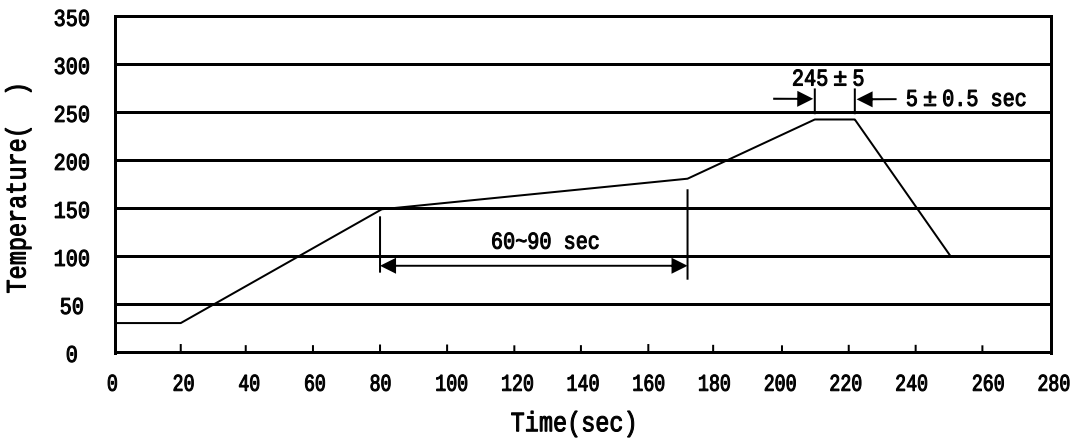
Rev.01 202209



BR
070N10S

Note	
BR	Company Code
070N10S	Product Type Code
****	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
PDFN5×6	5,000	2	10,000	6	60,000	13"×12	360×360×50	380×335×366