

/ Descriptions

PDFN5 6 N

N-Channel MOSFET in a PDFN5 6 Plastic Package .

/ Features

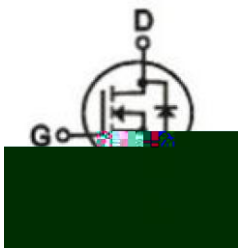
Low $R_{DS(ON)}$ to minimize conductive loss; low Gate Charge for fast switching; Low Thermal resistance; HF Product.

/ Applications

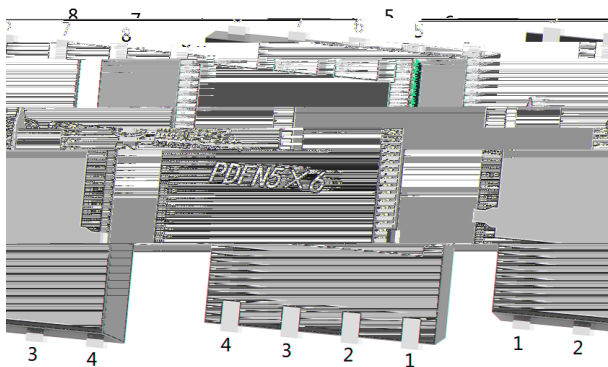
LED

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

/ Equivalent Circuit



/ Pinning



PIN1 2 3 S PIN4 G PIN5 6 7 8 D

/ Marking

See Marking Instructions.

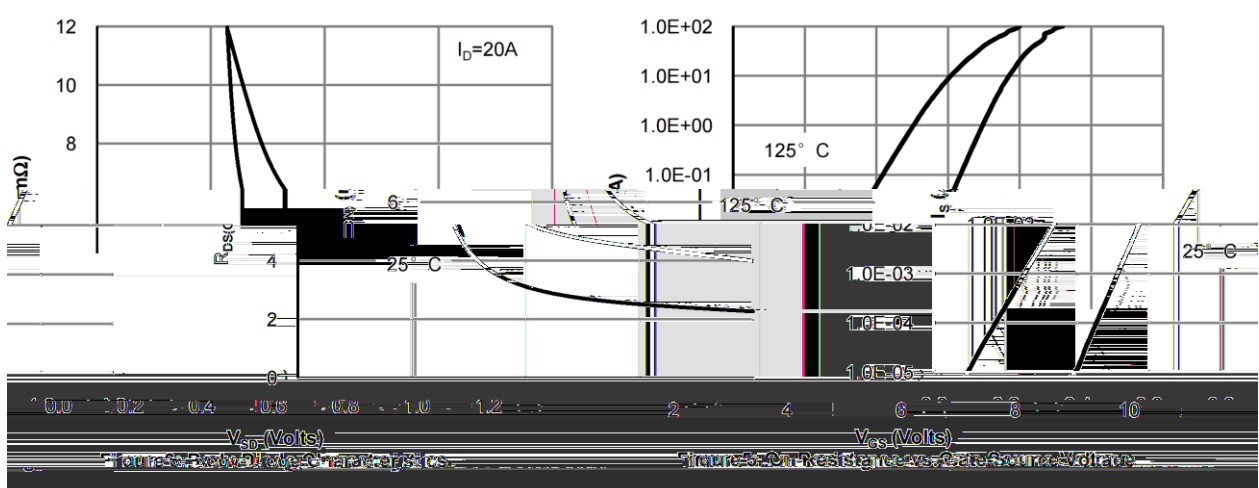
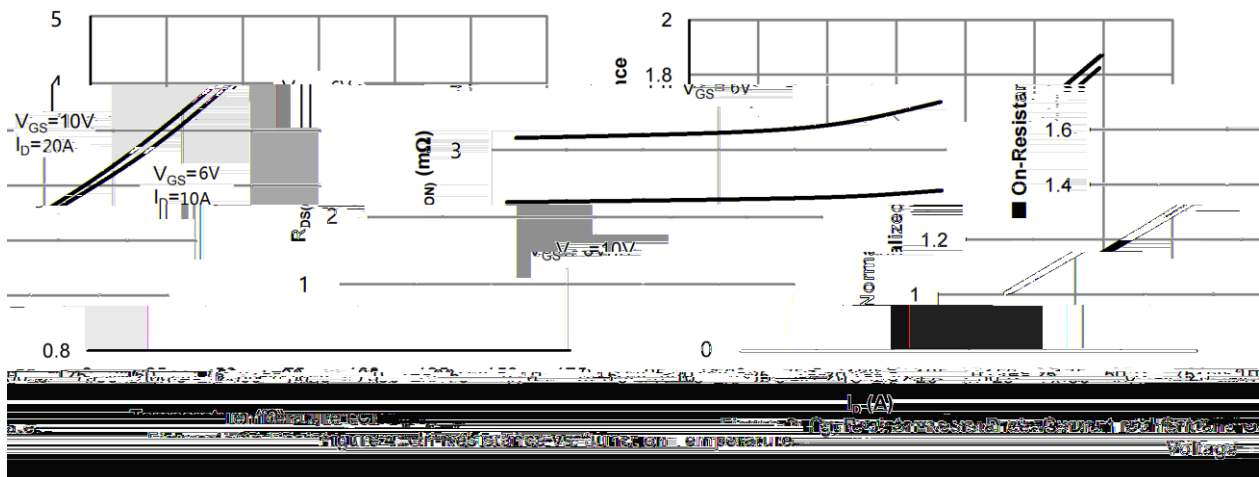
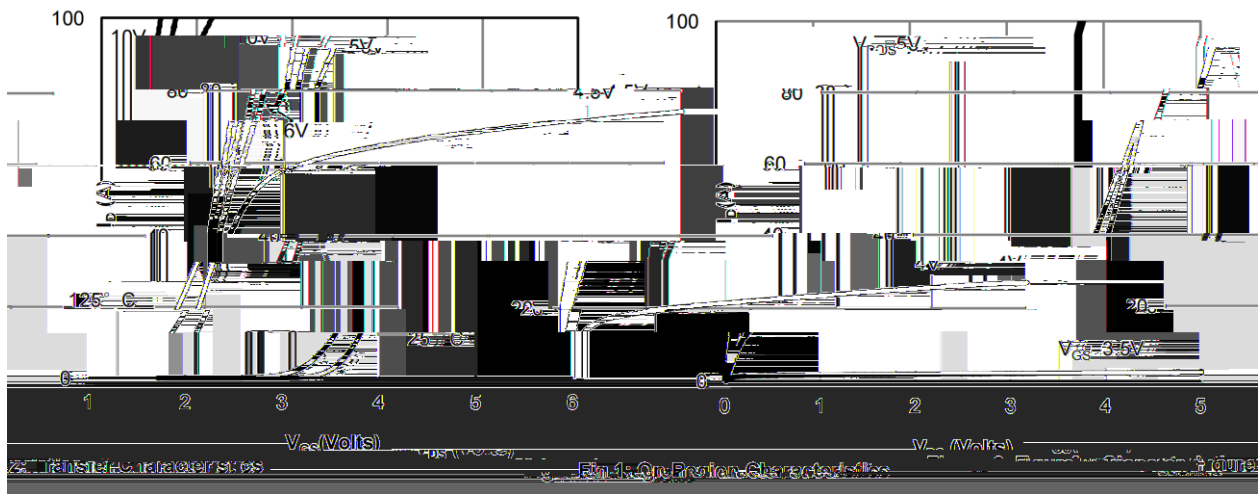
Parameter	Symbol	Rating
-----------	--------	--------

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{D(on)}$	$V_{GS}=10V, V_{DS}=40V,$ $R_L=2 A_{GEN}, "$		13		ns
Turn-On Rise Time	t_r			6		
Turn-Off Delay Time	$t_{D(off)}$			32		
Turn-Off Fall Time	t_f			9		

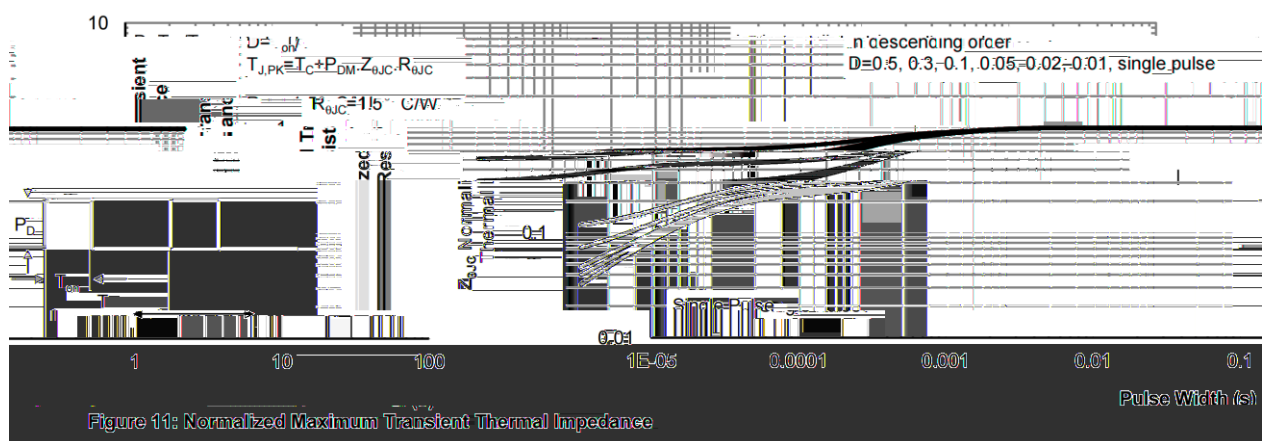
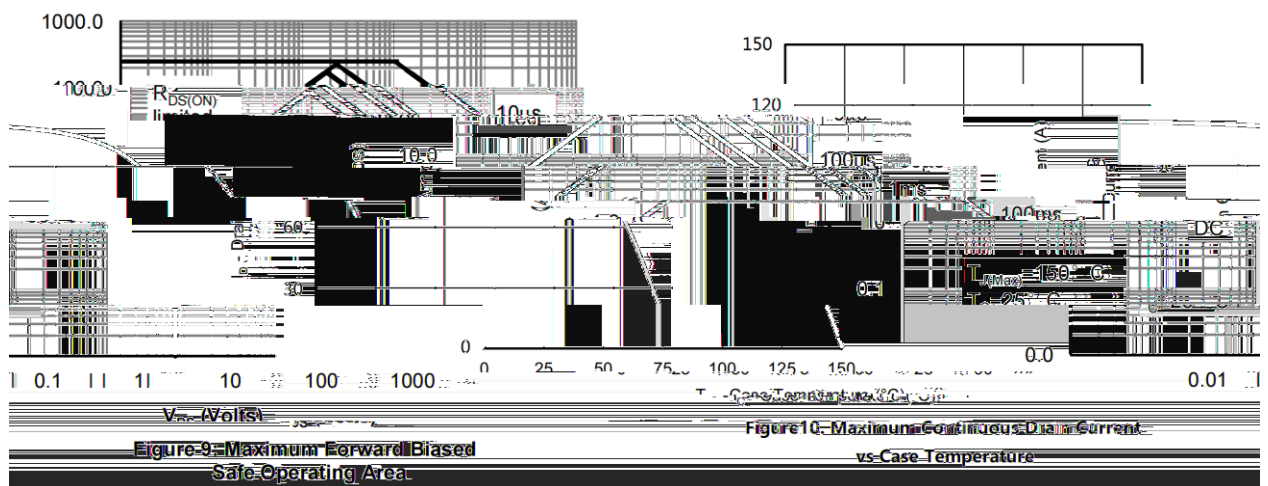
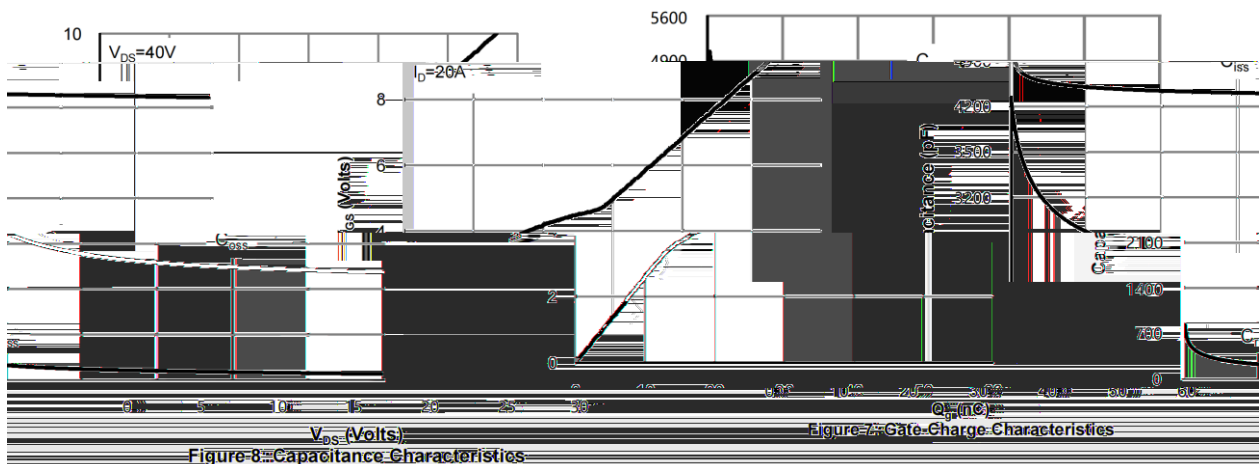


/ Electrical Characteristic Curve

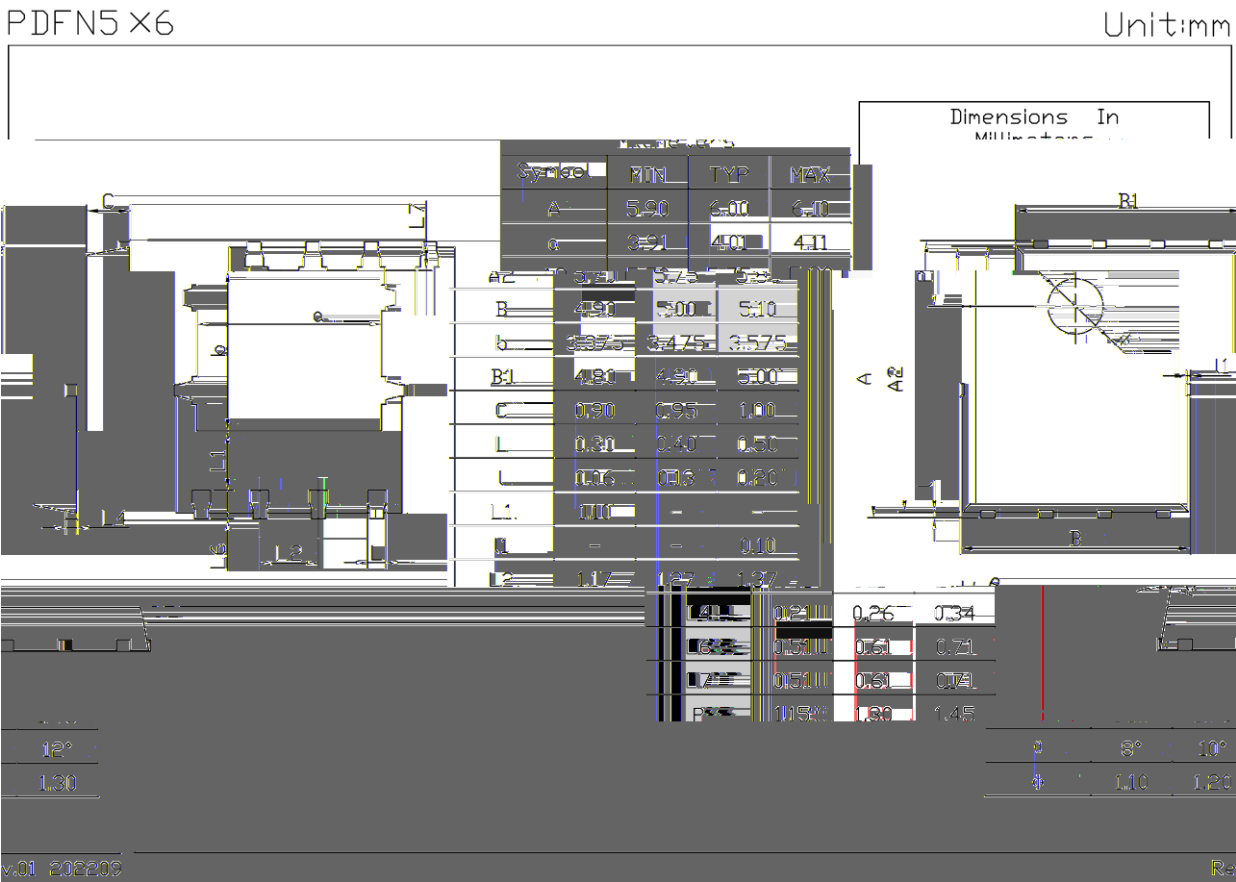




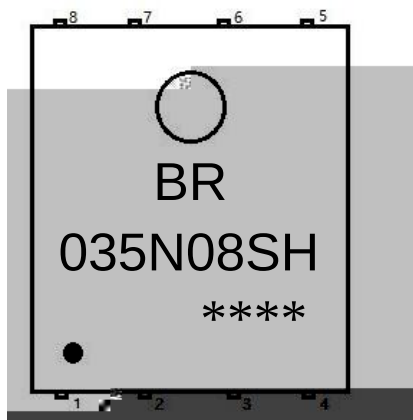
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



035N08SH

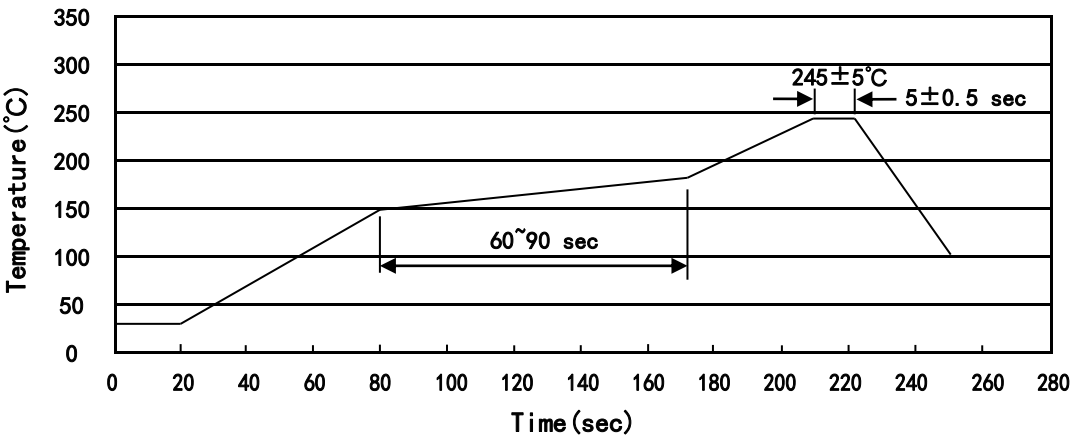
Note

BR Company Code

035N08SH Product Type

**** 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.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ 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	5000	2	10000	6	60000	13 12	360 360 50	380 335 366

/ Notices