

/ Descriptions

PDFN5×6 N

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

/ Features

$V_{DS} (V) = 100V$ $I_D = 62.5A$ ($V_{GS} = \pm 20V$)

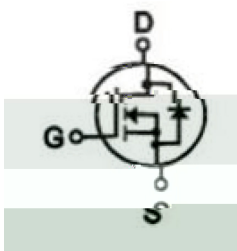
$R_{DS(ON)} @ 10V \leq 10mR$ (Typ. 8.9mR)

HF Product.

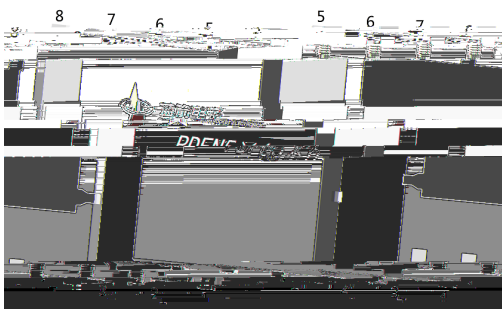
/ Applications

High Frequency Switching and Synchronous Rectification.

/ Equivalent Circuit



/ Pinning



PIN1 2 3 S PIN4 G PIN5 6 7 8 D

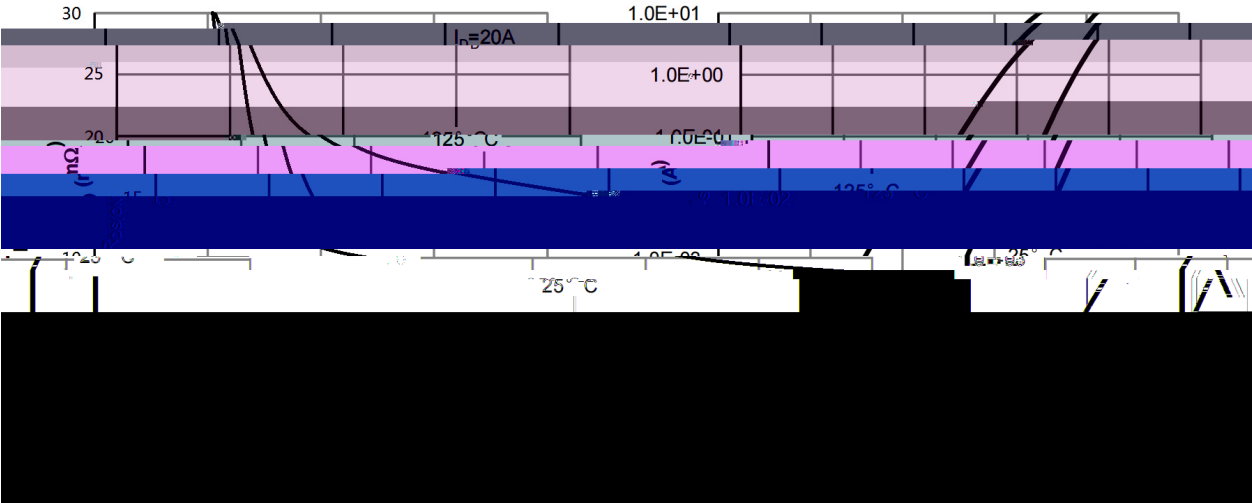
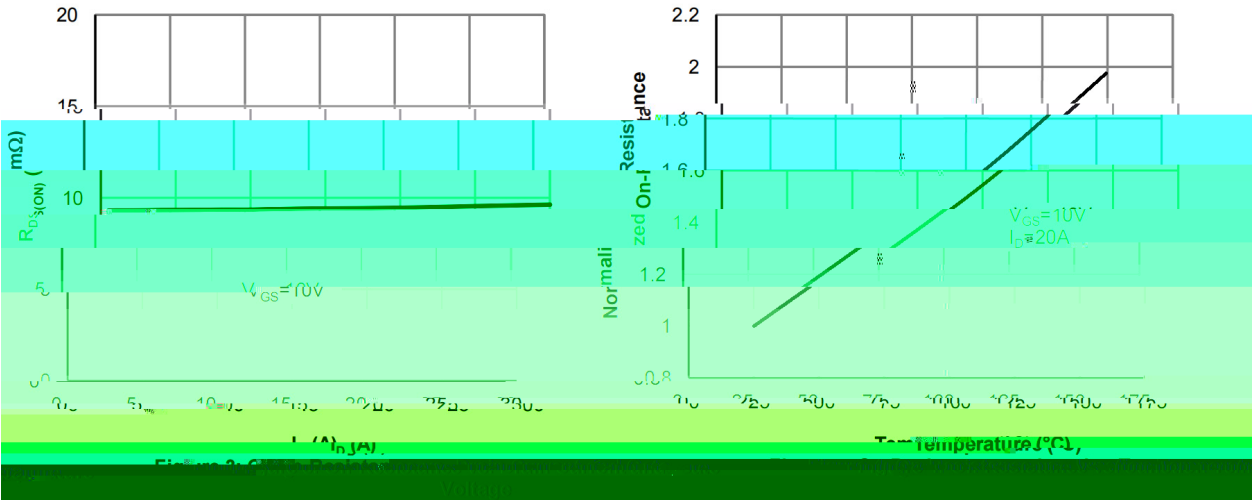
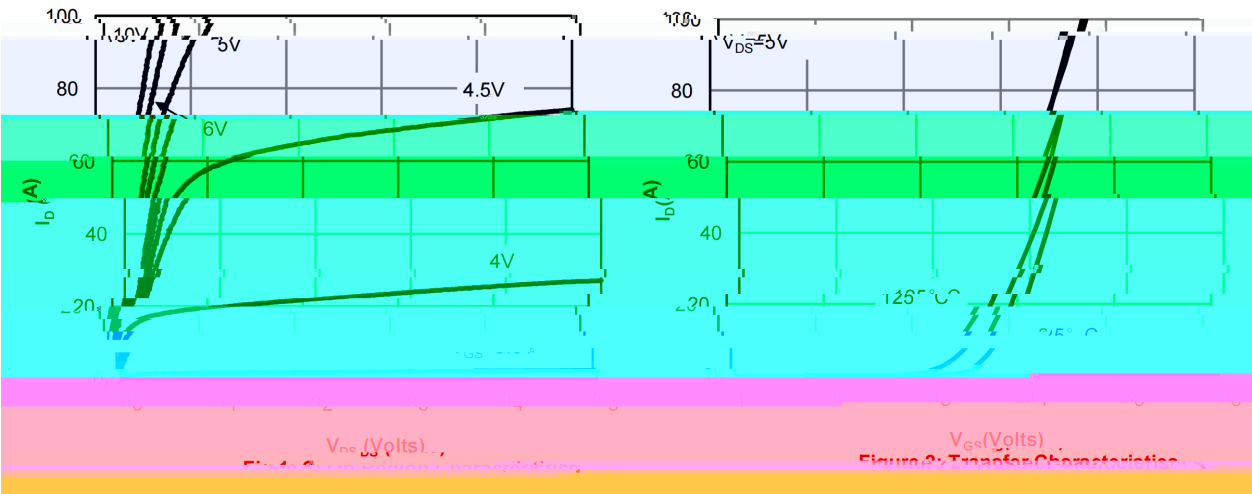
/ Marking

See Marking Instructions.

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	t _{D(on)}	V _{GS} =10V, V _{DS} =50V, R _L =2.5Ω, R _{GEN} =3Ω		8.5		ns
Turn-On Rise Time	t _r			3		
Turn-Off Delay Time	t _{D(off)}			23		
Turn-Off Fall Time	t _f			3.5		

Electrical Characteristic Curve



/ Electrical Characteristic Curve

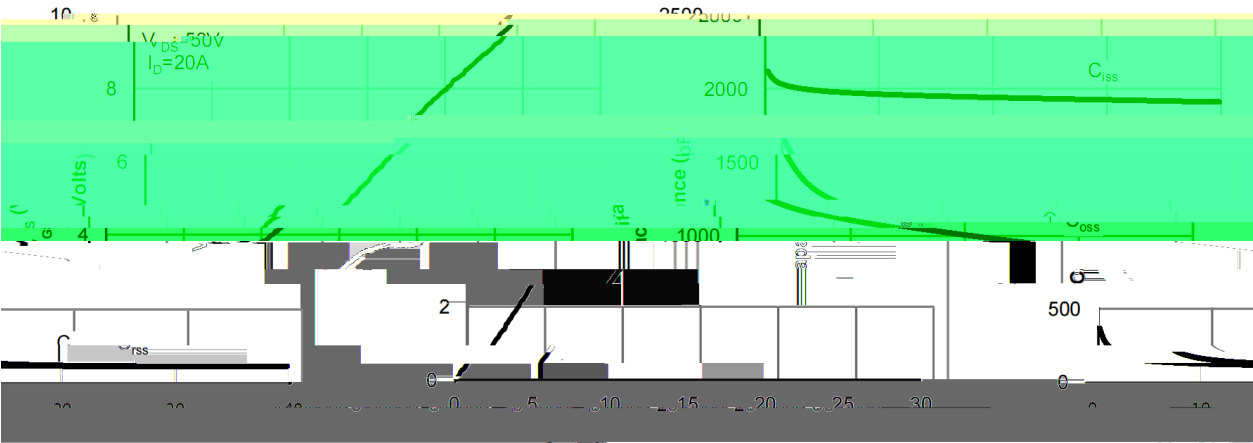


Figure 7: Gate Charge Characteristics Figure 8: Capacitance Characteristics

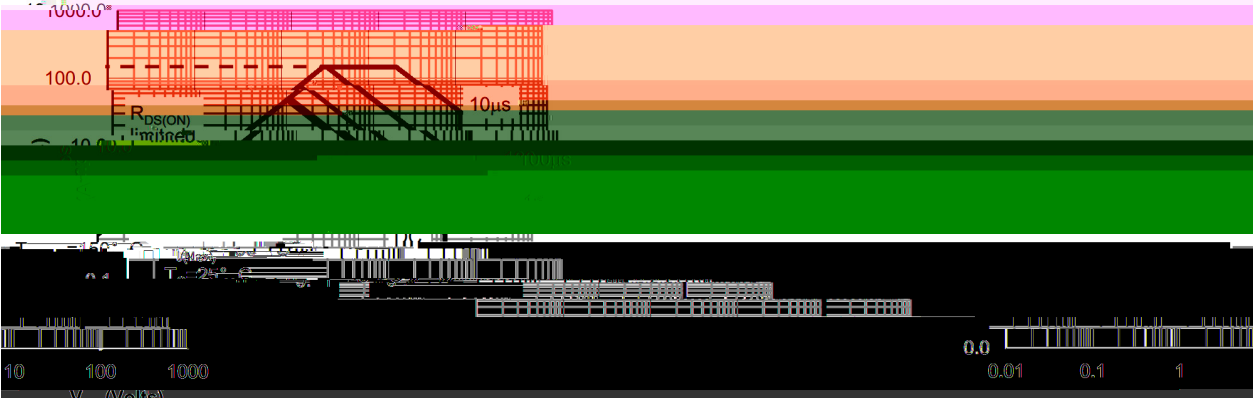


Figure 9: Maximum Forward Biased

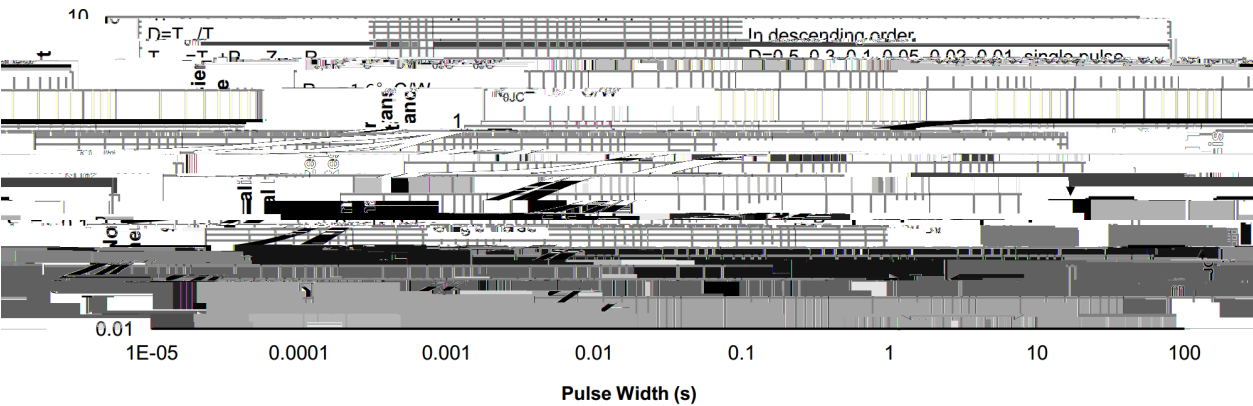
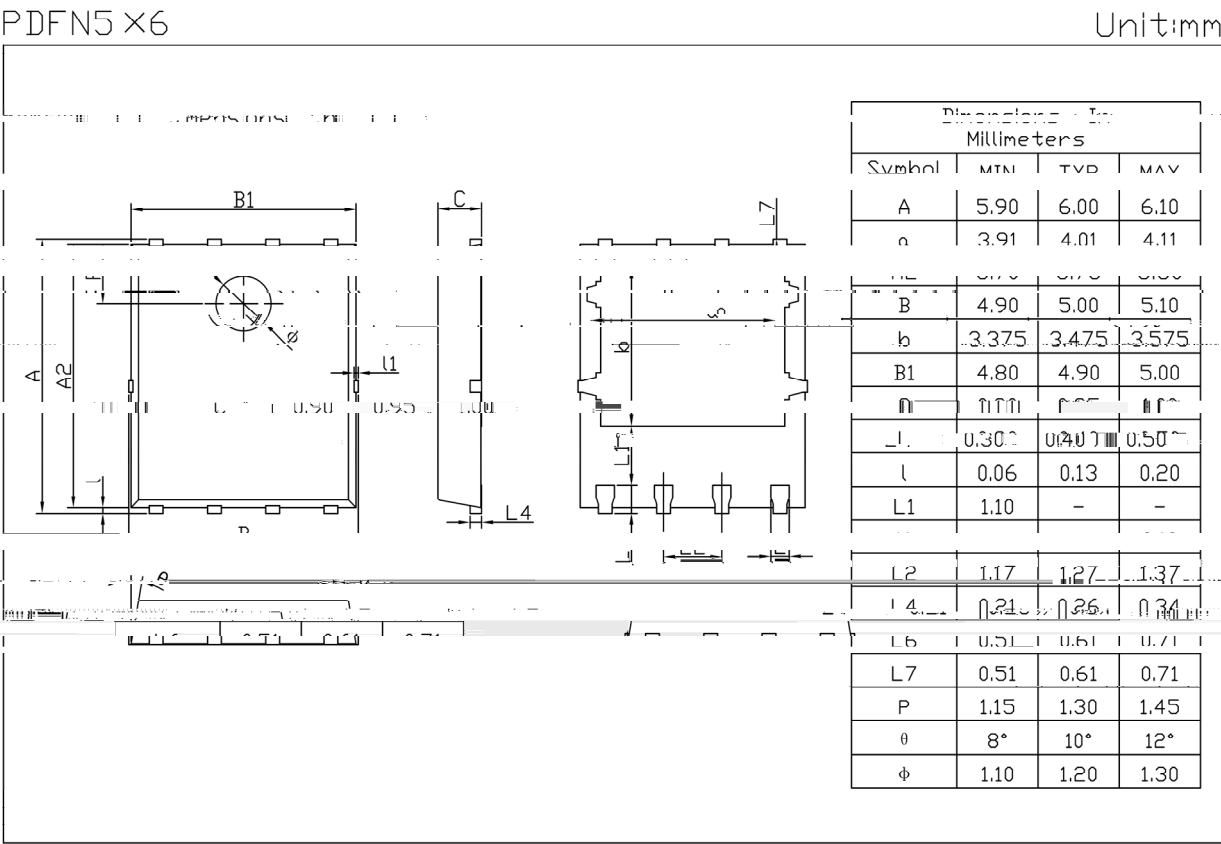


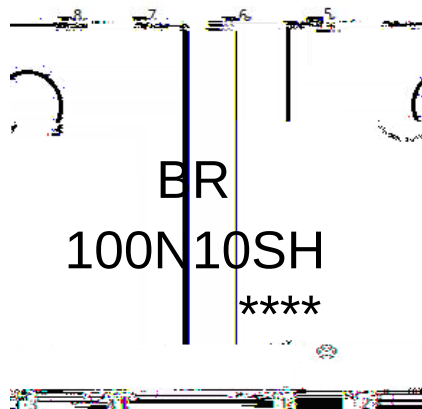
Figure 10: Maximum Pulsed Drain Current

/ Package Dimensions



Rev.01 202209

/ Marking Instructions



BR
100N10SH

Note

BR	Company Code
100N10SH	Product Type Code
****	Lot No. Code, code change with Lot No

