

/ Descriptions

SGIQ6Ö60;0 M M x Q P R V j ǒ Z 1
Gr xe0h Q0FKDQQH0 P R V I H W I q d S G I Q 6 Ö 6 0 ; 0 S o d v w l f S d f n d j h l

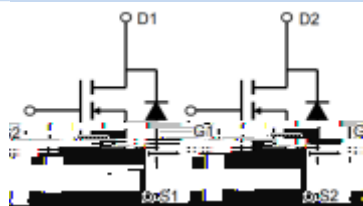
/ Features

$V_{DS}=40V$ $I_D=19A$
 $R_{DS(ON)}@10V<20m\Omega$ (Typ.18mR)
 $R_{DS(ON)}@4.5V<35m\Omega$ (Typ.24mR)
ǒ f β HF Product.

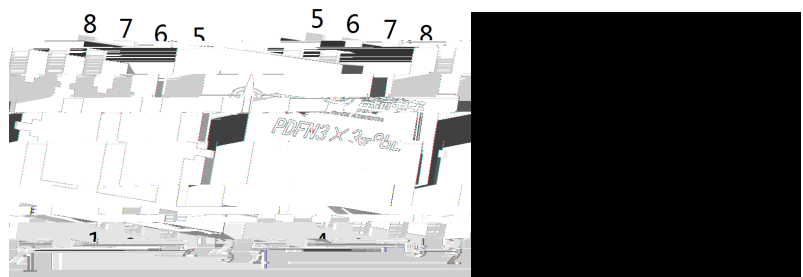
/ Applications

a l ǒ Q L I G F 2 G F ǒ H
Synchronous Rectification,DC/DC Converter.

/ Equivalent Circuit



/ Pinning



/ Marking

M ǒ "

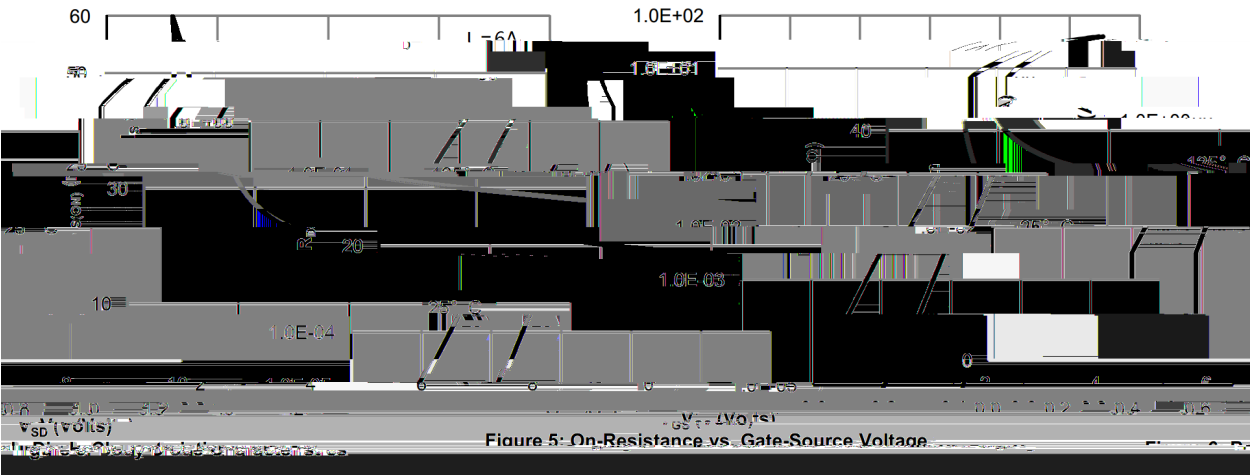
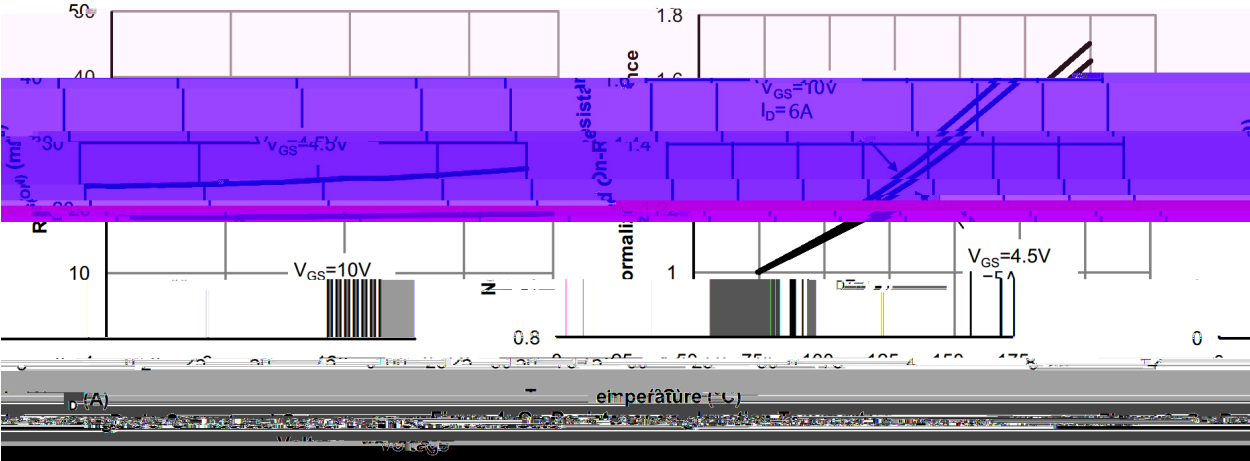
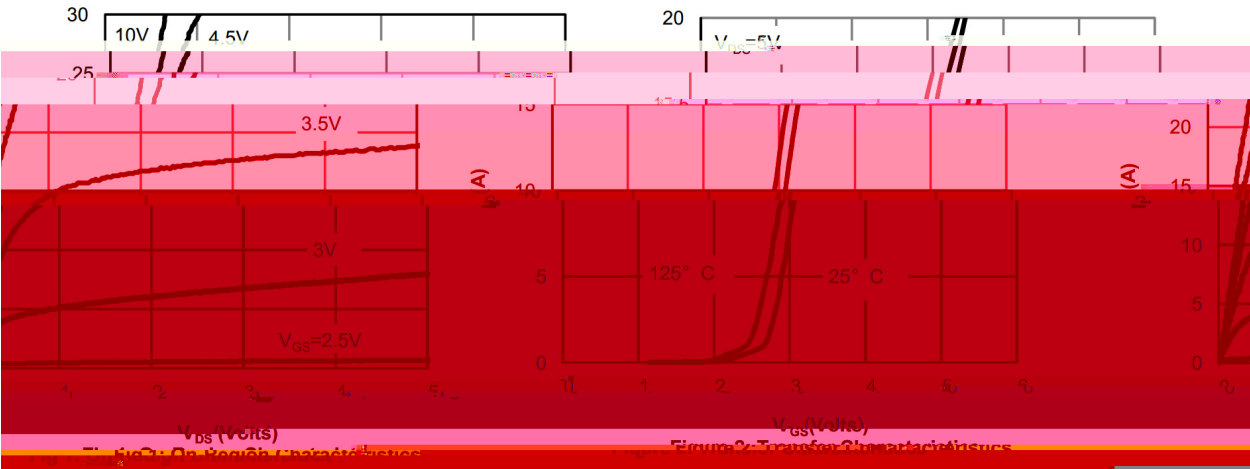
See Marking Instructions.

V_{DS} Parameter	I_D Symbol	P_{DSS} Rating	$^{\circ}C$ Unit
Drain-Source Voltage	V_{DSS}	40	V
Drain Current	I_D		

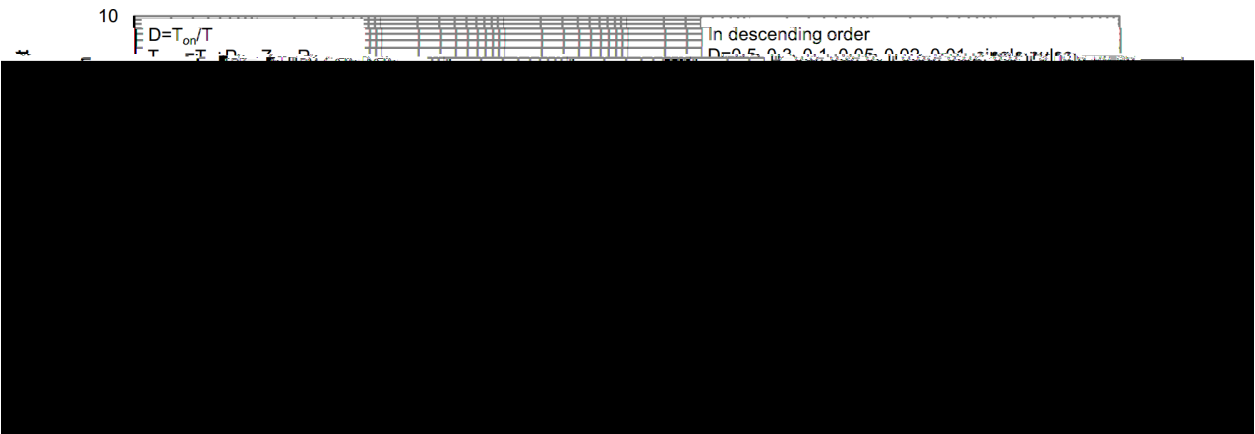
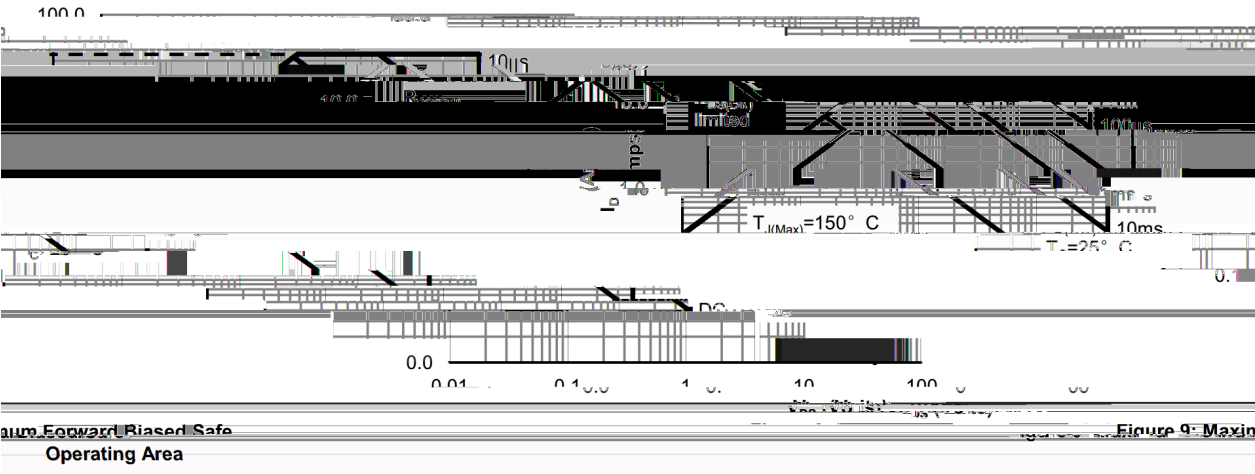
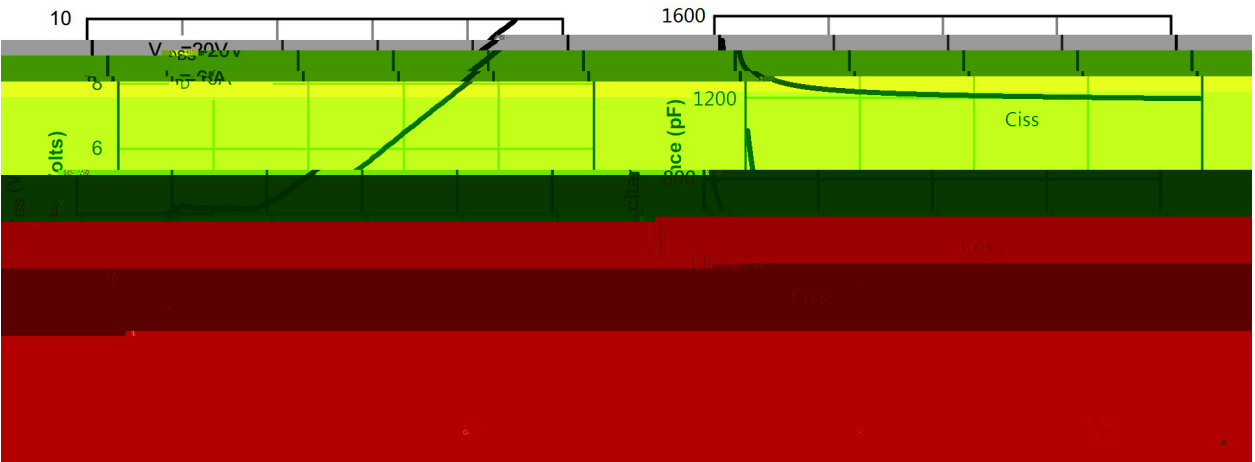
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	t _{d(on)}	V _{DS} =20V V _{GS} =10V R _L =3.3Ω R _{GEN} =3Ω		6.5		ns
Turn-On Rise Time	t _r			3.7		ns
Turn-Off Delay Time	t _{d(off)}			18.2		ns
Turn-Off Fall Time	t _f			7.1		ns

Electrical Characteristic Curve



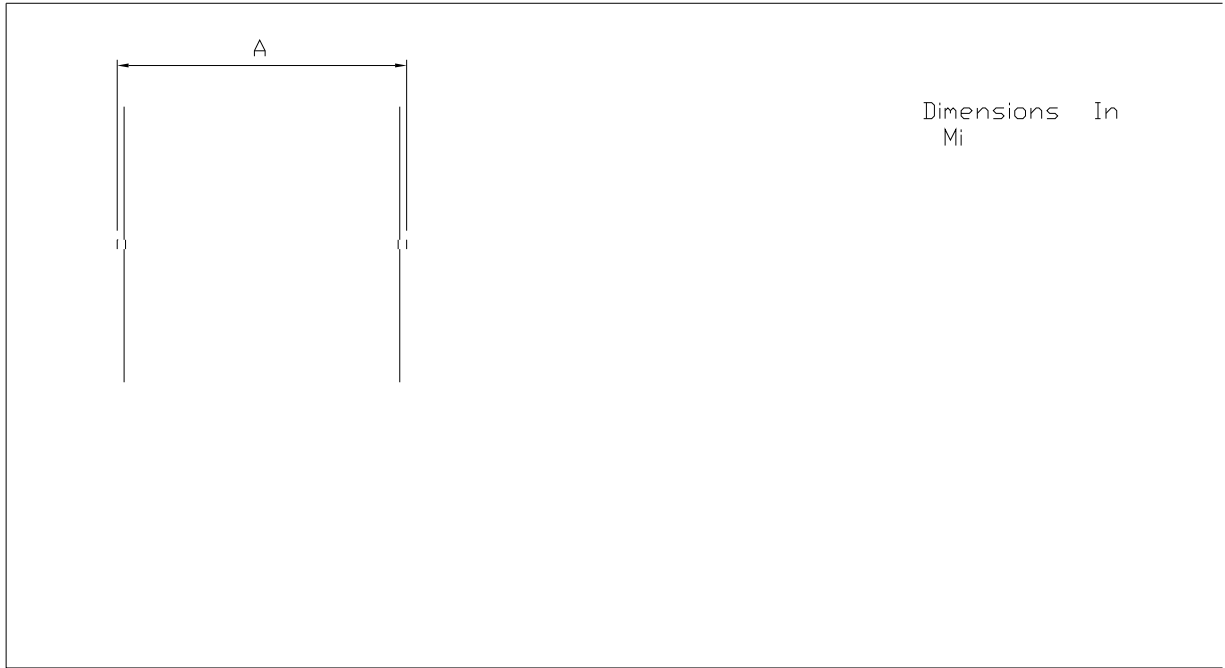
N- / N-CHANNEL Electrical Characteristic Curve



/ Package Dimensions

PDFN3X3-8L

Unit:mm



Dimensions In
 Mi

Rev.00 202011

