/ Descriptions

PDFN5Ö6 Ṃ Ł N ڜ ʃ ѽ Ẓ ٦

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

/ Features

V_{DS} (V) = 60V I_D =111A (V_{GS} = ±20V)

$R_{DS(ON)}$@10V 3.6mR(Typ.3.45mR)

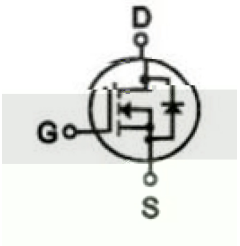
ṇ ғ β HF Product.

/ Applications

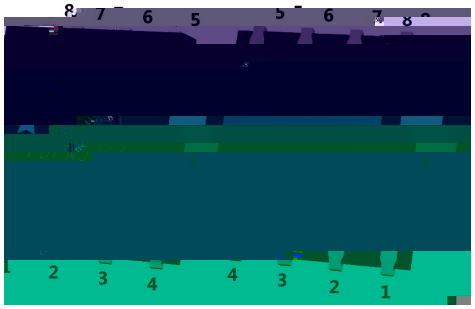
ɔ – ٦ ת ı MB/NB/UMPC/VGA ב إ ق ɔ ᵖ ª ℓ Buck Ψ Ω н ı ї ﻝ ´ ㄴ ´ ㄴ ɔ ד ﻡ ﻣ ı ق U Ã Ꮒ ԋ

Battery Management,High Frequency Point-of-Load Synchronous Buck Conventer for MB/NB/UMPC/VGA,Networking DC-DC Power System,Load Switch.

/ Equivalent Circuit



/ Pinning



PIN1 2 3 S PIN4 G PIN5 6 7 8 D

Pin	极性
1	S
2	S
3	S
4	G
5	D
6	D

/ Marking

ծ м ٦ ب ˝

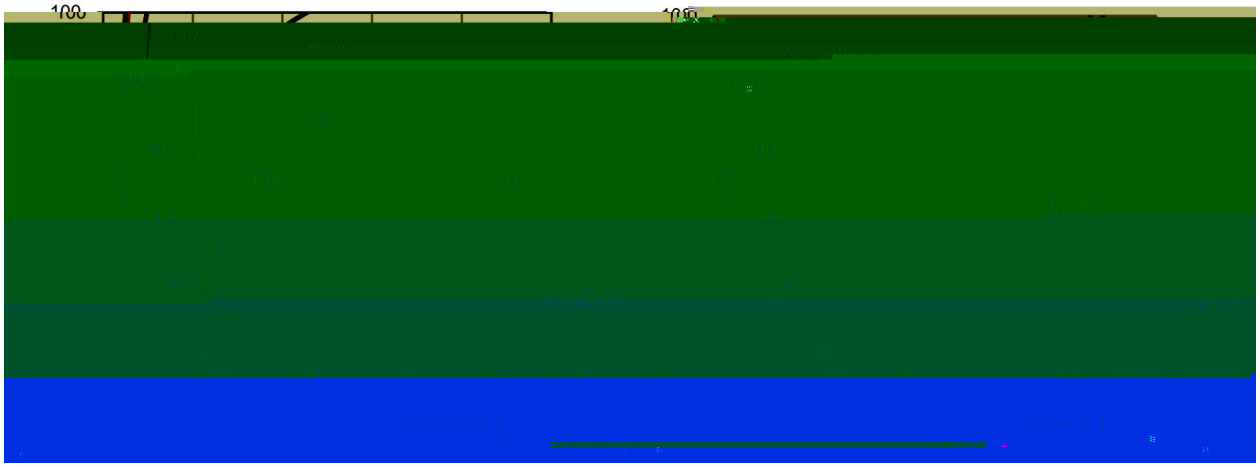
See Marking Instructions.

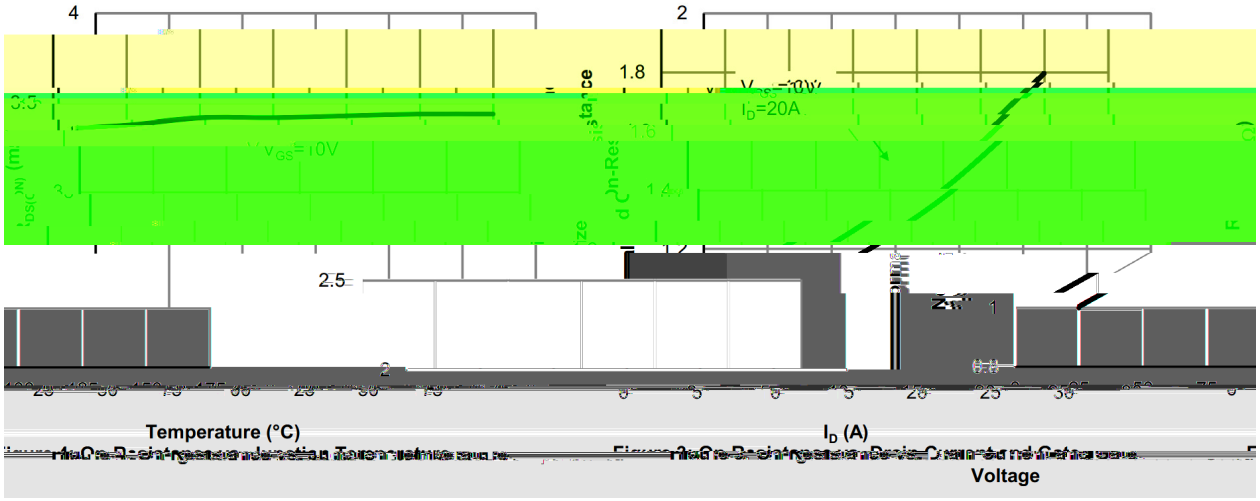
v ‴Ω Parameter	٩ N Symbol	‴Ω Ö Rating	D Ч Unit
Drain-Source Voltage	V_{DS}	60	V
Continuous Drain Current	I_D	111	A
Pulsed Drain Current	I_{DM}	227	A
Gate-Source Voltage	V_{GS}	± 20	V

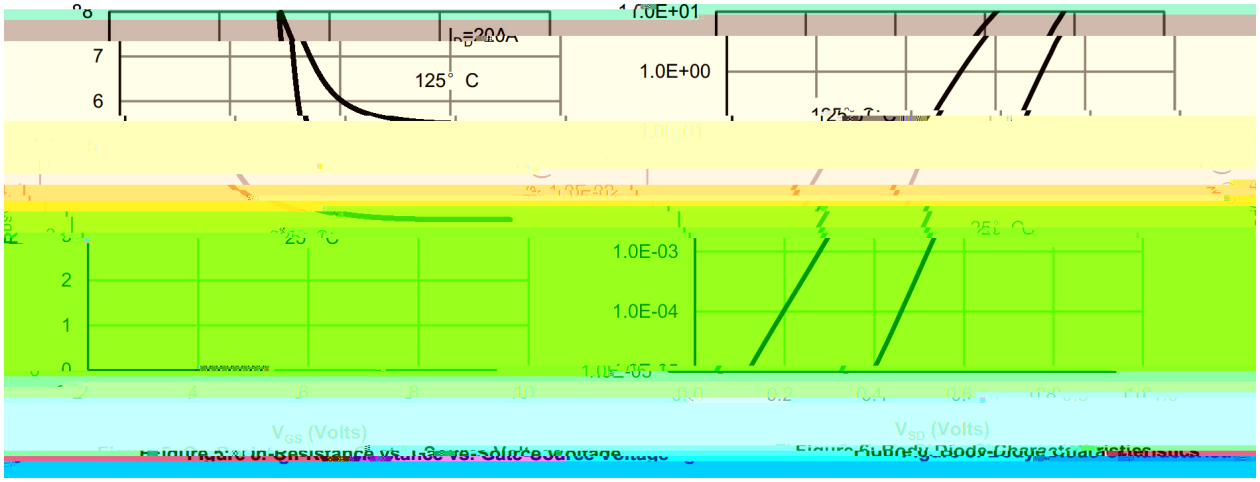
/ Electrical Characteristics(Ta=25)

v ̈Ω Parameter	ϒ N Symbol	╨ ;ˆ ţ Test Conditions	ѡ ŋ Ө Min	Ɛ ʒ Ө Typ	ѡ ᶻ Ө Max	D Ꮋ Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=30V R_L=1.5Ω R_{GEN}=3Ω		13		ns
Turn-On Rise Time	t_r			4		
Turn-Off Delay Time	$t_{d(off)}$			47		
Turn-Off Fall Time	t_f			6.5		

/ Electrical Characteristic Curve







/ Electrical Characteristic Curve

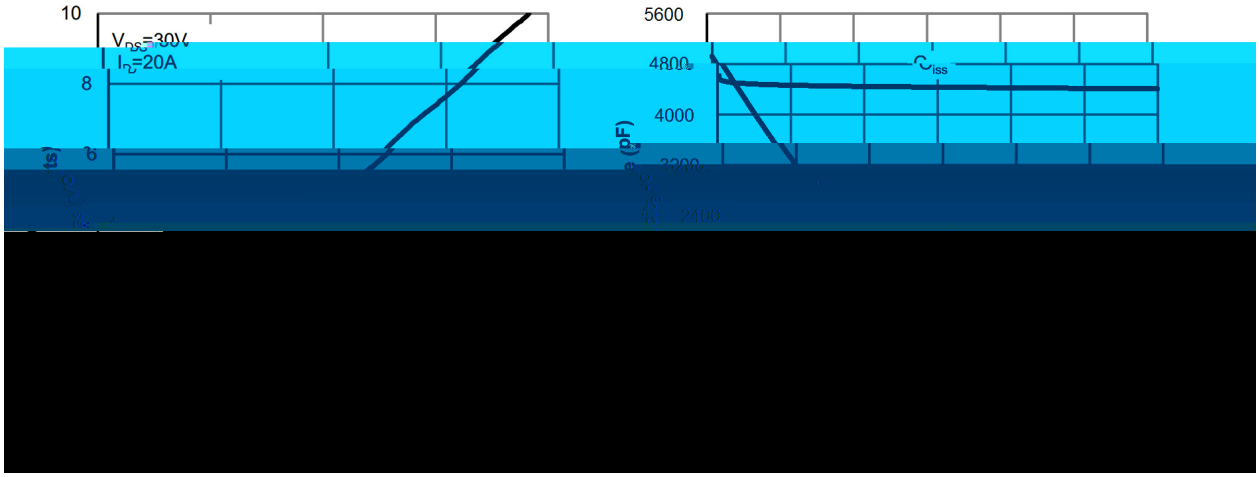
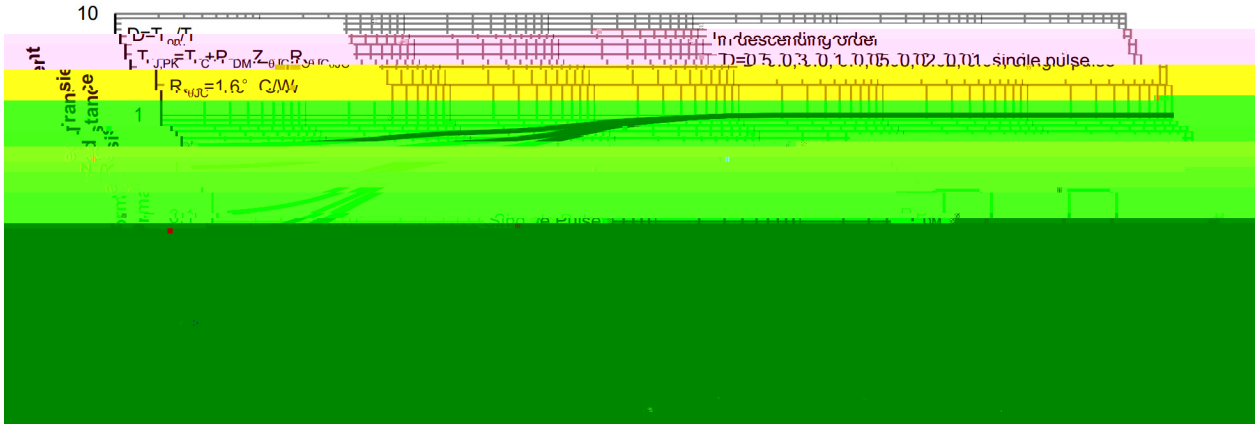


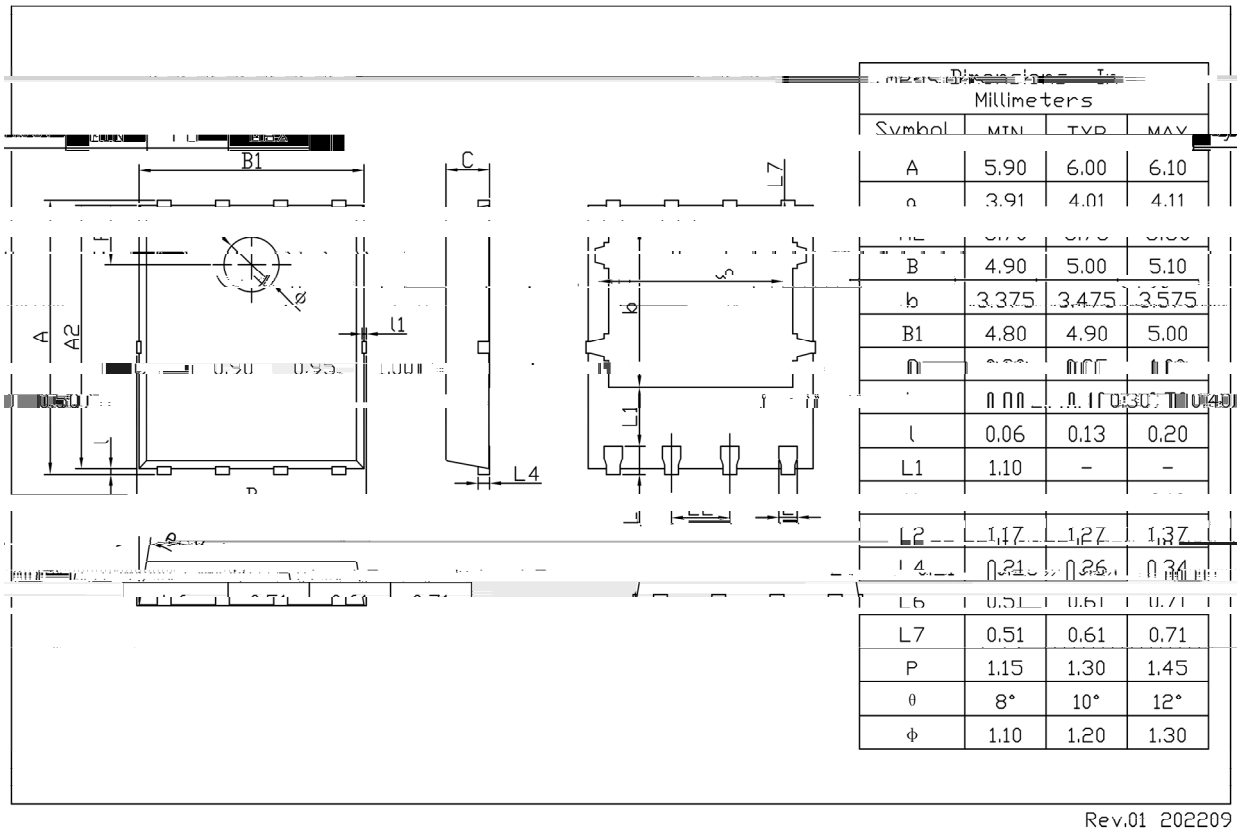


Figure 6: Maximum Forward Biased Safe Operating Area



/ Package Dimensions

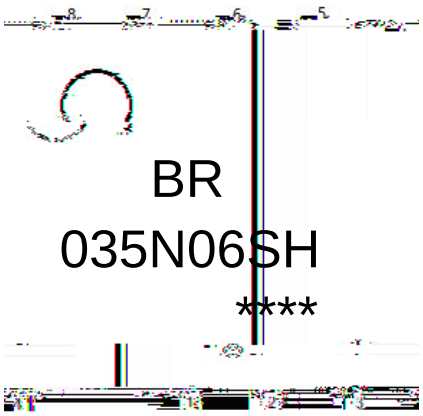
PDFN5×6 Unit:mm



Symbol	Millimeters MIN	TYP	MAX
A	5.90	6.00	6.10
B	4.90	5.00	5.10
b	3.375	3.475	3.575
B1	4.80	4.90	5.00
l	0.06	0.13	0.20
L1	1.10	–	–
L7	0.51	0.61	0.71
P	1.15	1.30	1.45
θ	8°	10°	12°
Φ	1.10	1.20	1.30

Rev.01 202209

/ Marking Instructions



ͻ ˝ χ	
EU χ	ѫ ϗ И Ґђ
035N06SH χ	ѫ ϳ N Ґђ
---- χ	ѫ ɨ ғ ӈ̆ N Ґђ ɪ ɐ ɨ ғ ӈ̆ N Ψ ϼ
Note χ	
BR χ	Company Code
035N06SH χ	Product Type Code
****:	Lot No. Code, code change with Lot No