



\* ) J' B! 7 \ UbbY` ACG : 9Hg' @ 87\* -+(L!)

### PPAK5X6 Pin Configuration

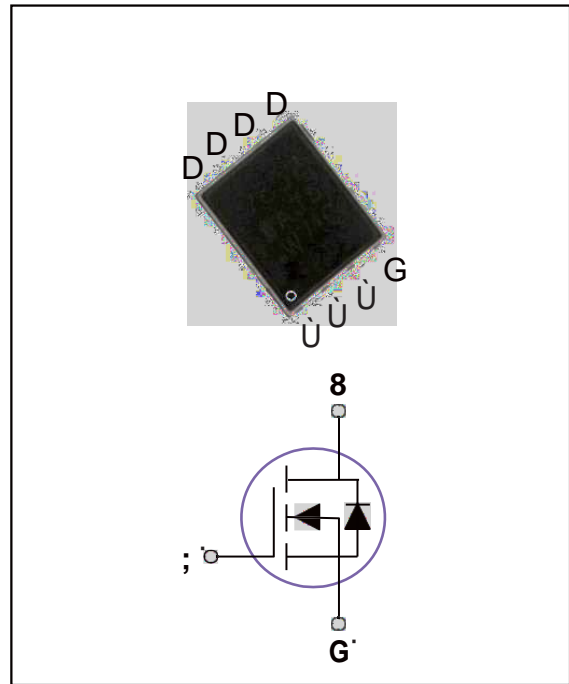
BVDSS	RDSON	ID
65V	GEÌ {	100A

**Features**

- ' Î Í XÉ F€ € CEEÁ Ü Ö Ü Ç U B D A M G È Ì { O X Ö Ü Á M 10V
- ' Improved dv/dt capability
- ' Fast switching
- ' 100% EAS Ö ~ æ / æ } c ^ ^ á
- ' Ö ! ^ ^ } / Ö ^ ç i & ^ Available

**Applications**

- ' Networking
- ' Load Switch
- ' LED applications
- ' Ú ~ ä & \ Charger



**A 5L=A I A` F 5H=B ; G` 5B 8` 7 < 5F 57H9F-GH=7G`**

@ 25°C Ambient Temperature (unless otherwise noted)

DUfU a YhYf Qq<DU '•Kq%o>q<D5 U.; € ÄB•' U. ±È \D Rau[r±È \DIU U. TM±È \DU 'u[q%o> € ÄCgTB...G @ 7

	*6	Ž20/-12	V
Drain Current – Continuous (T <sub>c</sub> =257)	I <sub>D</sub>	100	A
Drain Current – Continuous (T <sub>c</sub> =1007)		63	A
Drain Current – Pulsed <sup>1</sup>	I <sub>DM</sub>	400	A
Single Pulse Avalanche Energy <sup>2</sup>	EAS	245	mJ
Single Pulse Avalanche Current <sup>2</sup>	IAS	70	A
Power Dissipation (T <sub>c</sub> )		2 W	
Power Dissipation – Derate above 257		1.14	W/7
Storage Temperature Range	T <sub>STG</sub>	-50 to 150	7-50 to < Ä
Operating J	s		

Thermal Resistance Junction to ambient	R <sub>RE</sub>	---	62	7/W
Thermal Resistance Junction to Case	R <sub>RÖ</sub>	---	0.88	7/W

**ACG:9H'9@97HF=75@'7<5F57H9F=GH=7G**<sub>T<sub>A</sub>=25</sub> "unless otherwise specified

DUfU a YhYf'

Gma Vc''

7cbX[h]cbg'

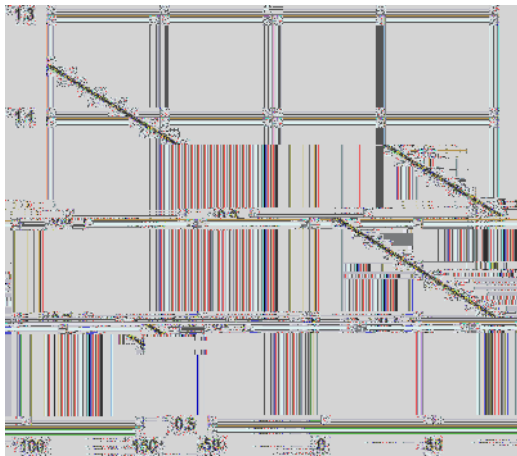
A]b''

Hmd''

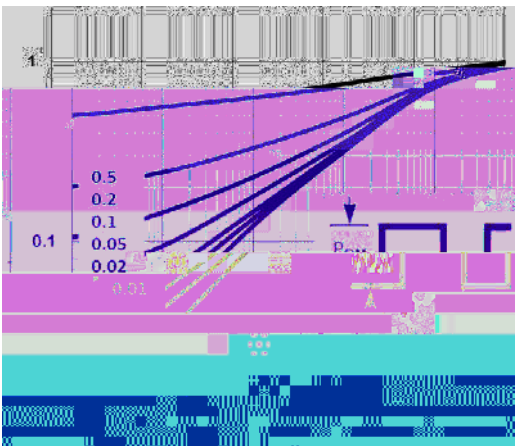
AUI''

I b]h'



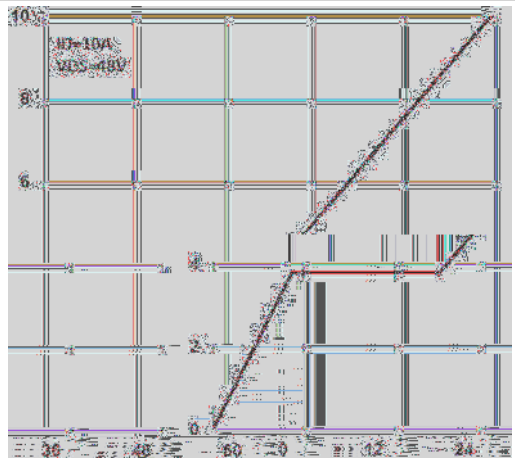


$T_j$ , Junction Temperature  
 (7) Fig.3 Normalized  $V_{th}$  vs.  $T_j$

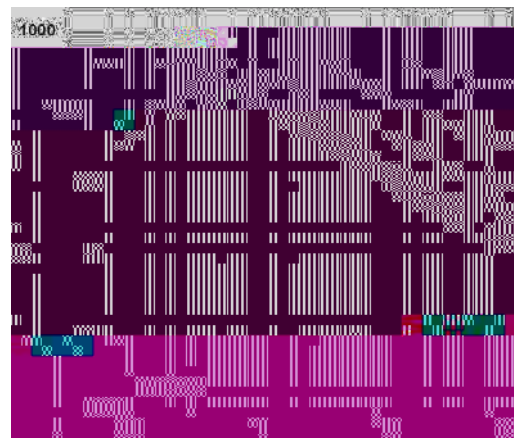


Square Wave Pulse Duration (s)  
 Fig.5 Normalized Transient Impedance

$T_j$ , Junction Temperature  
 (7) Fig.2 Normalized  $R_{DS(on)}$  vs.  $T_j$



$Q_g$ , Gate Charge (nC)



$V_{DS}$ , Drain to Source Voltage (V)  
 Fig.6 Maximum Safe Operation Area

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