



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

PPAK5X6 Pin Configuration

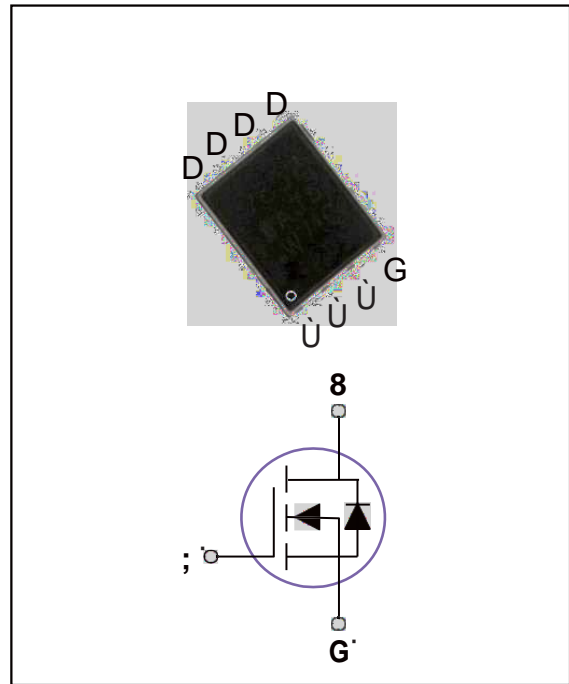
BVDSS	RDSON	ID
65V	GEÌ {	100A

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 _C =257)	I _D	100	A
Drain Current – Continuous (T _C =1007)		63	A
Drain Current – Pulsed ¹	I _{DM}	400	A
Single Pulse Avalanche Energy ²	EAS	245	mJ
Single Pulse Avalanche Current ²	IAS	70	A
Power Dissipation (T _C)		2 W	
Power Dissipation – Derate above 257		1.14	W/7
Storage Temperature Range	T _{STG}	-50 to 150	7-50 to < Ä
Operating J	s		

Thermal Resistance Junction to ambient	R _{RE}	---	62	7/W
Thermal Resistance Junction to Case	R _{RÖ}	---	0.88	7/W

ACG:9H'9@97HF=75@'7<5F57H9F=GH=7G^{T_A=25} "unless otherwise specified

DUfU a YhYf'

Gma Vc''

7cbX[h]cbg'

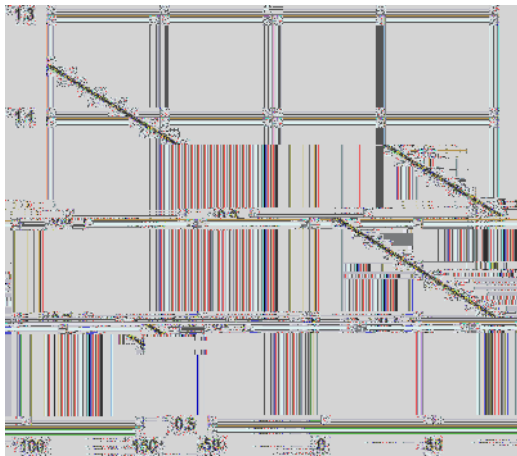
A]b''

Hmd''

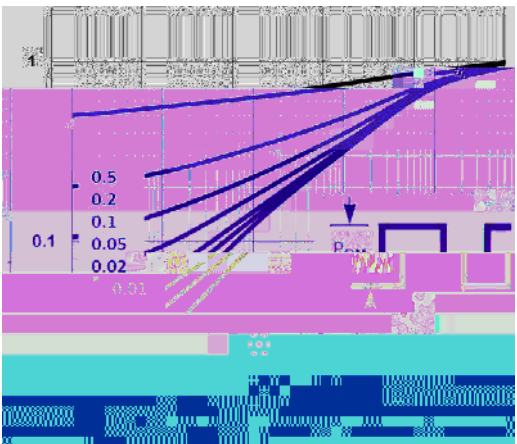
AUI''

I b]h'



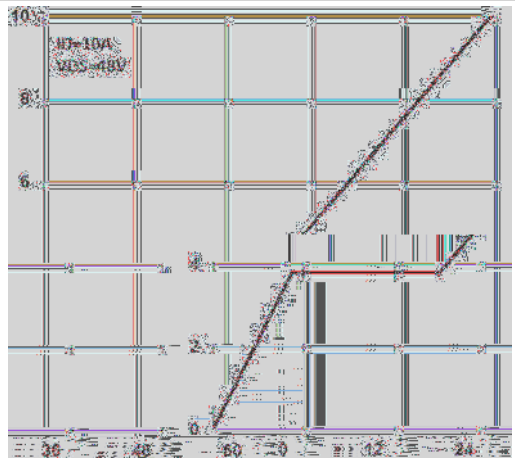


T_j , Junction Temperature
 (7) Fig.3 Normalized V_{th} vs. T_j

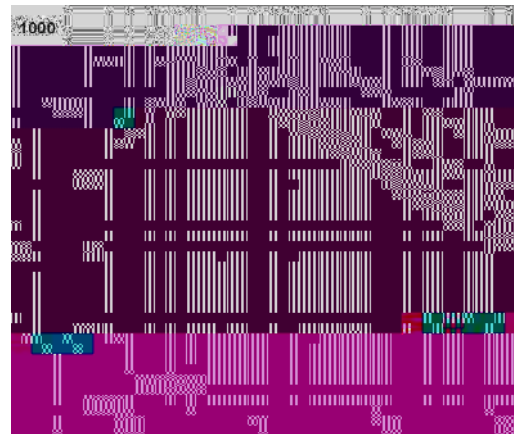


Square Wave Pulse Duration (s)
 Fig.5 Normalized Transient Impedance

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



Q_g , Gate Charge (nC)
 Fig.2 Normalized $R_{DS(on)}$ vs. T_j



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