

DPG10I400PM

HiPerFred™ 2nd. Generation Fast Diode

PRELIMINARY DATA SHEET

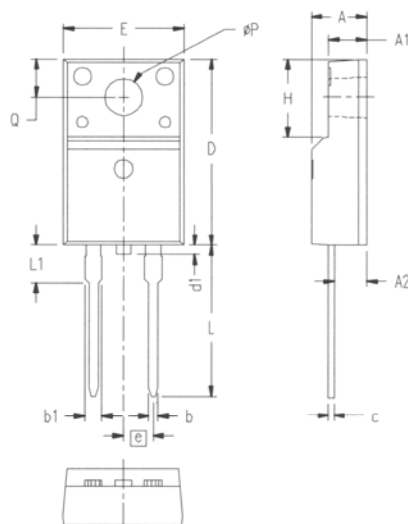
Product Detail

Part number: DPG10I400PM
 Description: HiPerFRED™ 2nd Gen Fast Diode
 Configuration: Single
 Package style: TO-220ACFP
 Status: Active product

Parameter

V_{RRM}	400 V
$I_{F(AV)M}$, @ T_{case}	10 A 120 °C
I_{FRMS}	-----
I_{FSM} , 10 mS, $T_{VJ}=45^{\circ}C$	100 A
V_F , max, $T_{VJ}=150^{\circ}C$ @ I_F	1.04 V 10 A
t_{rr} , typ, $T_{VJ}=25^{\circ}C$	45 ns
I_{RM} , typ, $T_{VJ}=100^{\circ}C$, @ $-di/dt$	4 A 200 A/ μs
T_{VJM}	175 °C
R_{thJC} max	4.40 °C/W

TO-220 ACFP



SYM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.177	.193	4.50	4.90
A1	.092	.108	2.34	2.74
A2	.101	.117	2.56	2.96
b	.028	.035	0.70	0.90
b1	.050	.058	1.27	1.47
c	.018	.024	0.45	0.60
D	.617	.633	15.67	16.07
d1	0	.043	0	1.10
E	.392	.408	9.96	10.36
e	.100 BSC		2.54 BSC	
H	.255	.271	6.48	6.88
L	.499	.523	12.68	13.28
L1	.119	.135	3.03	3.43
ØP	.121	.129	3.08	3.28
Q	.126	.134	3.20	3.40