

DPG10I400PA

HiPerFred 2nd. Generation Fast Diode

PRELIMINARY DATA SHEET

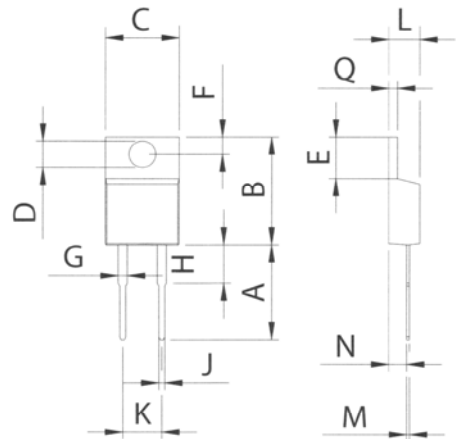
Product Detail

Part number: DPG10I400PA
 Description: HiPerFRED™ 2nd Gen Fast Diode
 Configuration: Single
 Package style: TO-220AC
 Status: Active product

Parameter

V_{RRM}	400 V
$I_{F(AV)M}$, @ T_{case}	10 A 145 °C
I_{FRMS}	-----
I_{FSM} , 10 mS, $T_{VJ}=45^{\circ}C$	100 A
V_F , max, $T_{VJ}=150^{\circ}C$	1.04 V
@ I_F	10 A
trr, typ, $T_{VJ}=25^{\circ}C$	45 ns
I_{RM} , typ, $T_{VJ}=100^{\circ}C$,	4 A
@ -di/dt	200 A/ μ s
T_{VJM}	175 °C
R_{thJC} max	2.30 °C/W

TO-220 AC



Dim.	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	12.70	14.73	0.500	0.580
B	14.23	16.51	0.560	0.650
C	9.66	10.66	0.380	0.420
D	3.54	4.08	0.139	0.161
E	5.85	6.85	2.300	0.420
F	2.54	3.42	0.100	0.135
G	1.15	1.77	0.045	0.070
H	-	6.35	-	0.250
J	0.64	0.89	0.025	0.035
K	4.83	5.33	0.190	0.210
L	3.56	4.82	0.140	0.190
M	0.51	0.76	0.020	0.030
N	2.04	2.49	0.080	0.115
Q	0.64	1.39	0.025	0.055