

FEATURES

- Suited for SMPS application
- Low forward and reverse recovery time
- High surge current capability
- Low losses

DESCRIPTION

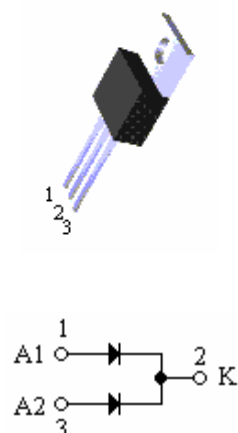
Low cost dual rectifier suited for switching mode power supply and high frequency DC to DC converters.

This device is intended for use in low voltage, high frequency inverters, free wheeling and polarity protection applications.

ORDERING INFORMATION

Device	Operating Temperature	Package
PJF20C20CZ	-20°C ~ +85°C	TO-220

TO-220



MAXIMUM RATINGS

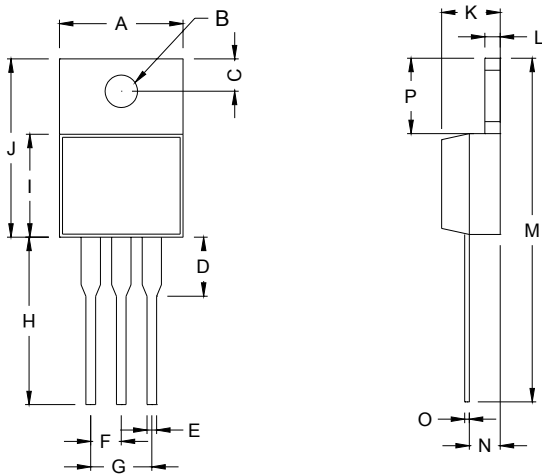
Parameter	Symbol	Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Non-Repetitive Peak Reverse Voltage	V_{RMS}	230	V
Average Forward Current	$I_F (RMS)$	10	A
Peak Forward Surge Current	I_{FSM}	50	A
Operating Junction Temperature Range	T_J	-40 to +150	°C
Storage Temperature Range	T_{STG}	-40 to +150	°C

ELECTRICAL CHARACTERISTICS ($T_J = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Value	Units
Forward Voltage Drop, $I_F = 10\text{A}$	V_F	1.25	V
Reverse Current, $V_R = V_{RRM}$	I_{RRM}	50	μA
Reverse Recovery Time	t_{rr}	30	ns
Junction to Case Thermal Resistance	$R_{th(j-c)}$	3.0	°C/W

FAST RECOVERY RECTIFIER DIODE

TO-220 Unit : mm



TO-220 DIMENSION				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	10.000	10.500	0.394	0.413
B	3.240	4.440	0.128	0.175
C	2.440	2.940	0.096	0.116
D	-	6.350	-	0.250
E	0.381	1.106	0.015	0.040
F	2.345	2.715	0.092	0.058
G	4.690	5.430	0.092	0.107
H	12.700	14.732	0.500	0.581
I	8.382	9.017	0.330	0.355
J	14.224	16.510	0.560	0.650
K	3.556	4.826	0.140	0.190
L	0.508	1.397	0.020	0.055
M	27.700	29.620	1.060	1.230
N	2.032	2.921	0.080	0.115
O	0.255	0.610	0.010	0.024
P	5.842	6.858	0.230	0.270