



Plastic package has underwriters laboratory flammability classification 94V-0
Lead free in comply with EU RoHS 2011/65/EU directives
Low reverse leakage current
Hyperfast recovery time
Epitaxial planar technology
5th Generation soft fast recovery characteristics
Low recovery loss

Case: TO-252 molded plastic over passivated junction
Terminals: Solder plated, solderable per J-STD-002
Weight:0.329 gram

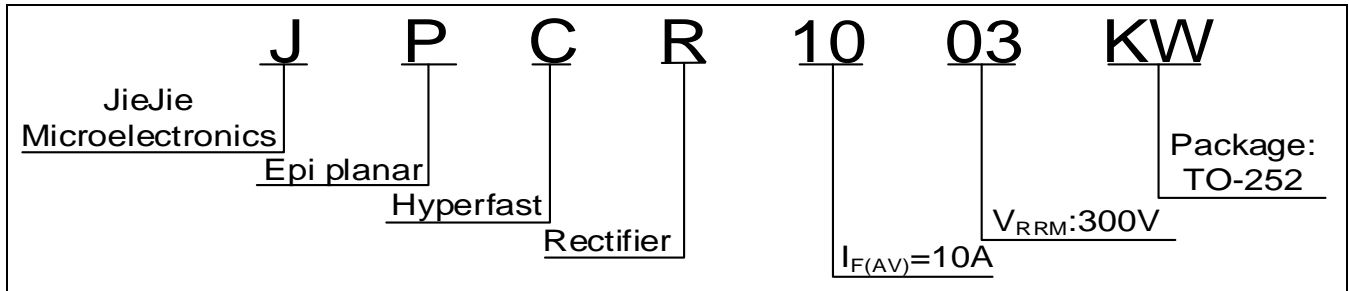
(Rating at 25 ambient temperature unless otherwise specified.)

Maximum repetitive peak reverse voltage	V_{RRM}	300	V
Maximum DC blocking voltage	V_{DC}	300	V
Average forward current at $T_C=125$	$I_{F(AV)}$	10	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load	I_{FSM}	A	



(Rating at 25 ambient temperature unless otherwise specified.)

Forward voltage	$I_F=10A, T_j=25$	V_F	-	1.05	1.2	V
	$I_F=10A, T_j=150$		-	-	1.1	
Reverse current	$V_R=300V, T_j$					



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.10		2.50	0.083		0.098
A2	0		0.15	0		0.006
B	0.66		0.86	0.026		0.034
B2	5.18		5.48	0.202		0.216
C	0.40		0.60	0.016		0.024
C2	0.44		0.58	0.017		0.023
D	5.90		6.30	0.232		0.248
E	6.40		6.80	0.252		0.268
G	4.47		4.67	0.176		0.184
H	9.50		10.70	0.374		0.421
L	0.95		1.30	0.037		0.051
L2	1.35		1.65	0.053		0.065
V1		7°			7°	
V2	0°		6°	0°		6°



Ref.	Dimensions	
	Millimeters	Inches
W	Max:16.3	Max:0.642
E	1.75±0.10	0.069±0.004
F	7.50±0.10	0.295±0.004
D0	1.55±0.05	0.061±0.002
D1	Min:1.50	Min:0.059
P0	4.00±0.10	0.157±0.004
P1	8.00±0.10	0.315±0.004
P2	2.00±0.10	0.079±0.004
A0	6.90±0.10	0.272±0.004
B0	10.50±0.10	0.413±0.004
K0	2.70±0.10	0.106±0.004
T	0.30±0.05	0.012±0.002



FIG.1 Typical forward characteristics

FIG.2 Typical reverse characteristics



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