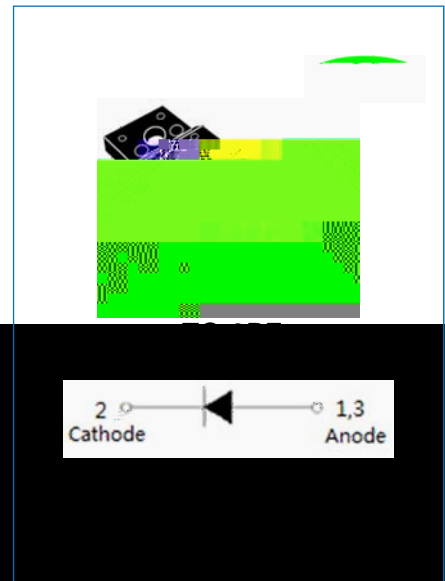




- ✧ Plastic package has underwriters laboratory flammability classification 94V-0
 - ✧ Lead free in comply with EU RoHS 2011/65/EU directives
 - ✧ Low reverse leakage current
 - ✧ Ultrafast recovery time
 - ✧ Epitaxial planar technology
 - ✧ 5th Generation soft fast recovery characteristics
 - ✧ Low recovery loss
-
- ✧ Case: TO-3PF molded plastic over passivated junction
 - ✧ Terminals: Solder plated, solderable per J-STD-002

(Rating at 25 °C ambient)

Maximum repetitive peak reverse voltage
Maximum DC blocking voltage
Average forward current at $T_C=60$





(Rating at 25 ambient temperature unless otherwise specified.)

Forward voltage	$I_F=30A, T_j=25$	V_F	-	1.5	2	V
	$I_F=30A, T_j=150$		-	1.35	1.75	V
Reverse current	$V_R=600V, T_j=25$	I_R	-	-	5	μA
	$V_R=600V, T_j=150$		-	20	200	
Reverse recovery time	$I_F=1A, V_R=30V,$ $di_F/dt=200A/\mu s, T_j=25$	t_{rr}	-	28	45	ns
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$		-	100	-	
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	170	-	
Reverse recovery current	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$	I_{RM}	-	7	-	A
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	14	-	
Reverse charge	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$	Q_r	-	400	-	nC
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	1400	-	

$R_{th(j-c)}$	Thermal resistance from junction to case	-	-	2.5	/W





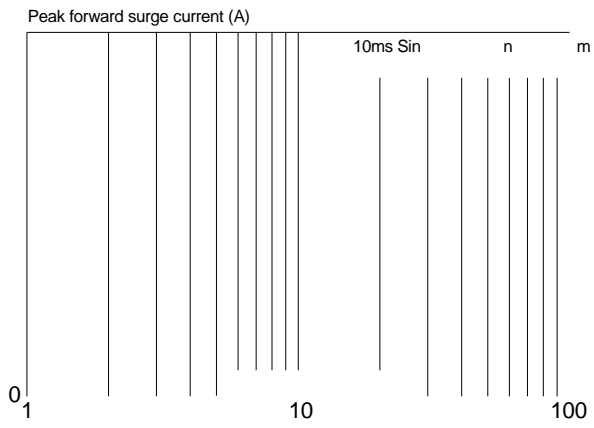
Dimensions

Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
W				
W1				
W2				
W3				
W4	1.70	2.30		
L	26.30	26.70		
L1				
L2	16.30	16.70		0.657
L3				
L4				
L5				



FIG.3: Maximum non-repetitive peak forward surge current(10ms single half sine-wave)

FIG.4: Forward current derating curve





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