

Maximum Ratings (Per Leg) @T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load.

Characteristic		Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V _{RRM} V _{RWM} V _{RM}	100	V
RMS Reverse Voltage		V _{R(RMS)}	71	V
Average Rectified Output Current Per Device	(Per Leg) (Total)	IO	10 20	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load		I _{FSM}	200	А

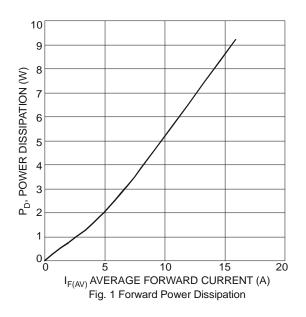
Thermal Characteristics (Per Leg)

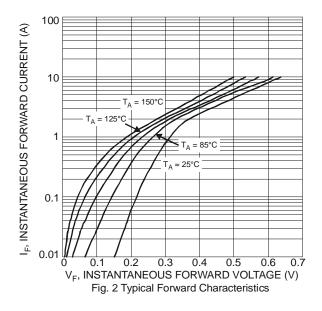
Characteristic	Symbol	Value	Unit
Maximum Thermal Resistance, Junction to Case	$R_{\theta JC}$	2	°C/W
Operating and Storage Temperature Range	TJ, T _{STG}	-65 to +175	°C

Electrical Characteristics (Per Leg) @T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop	V _F	-	- 0.57 -	0.70 0.63 0.82	V	$\begin{split} I_F &= 10A, \ T_J = 25^{\circ}C \\ I_F &= 10A, \ T_J = 125^{\circ}C \\ I_F &= 20A, \ T_J = 25^{\circ}C \end{split}$
Leakage Current (Note 4)	I _R	-	-	0.5 25	mA	$V_R = 100V, T_J = 25^{\circ}C$ $V_R = 100V, T_J = 125^{\circ}C$

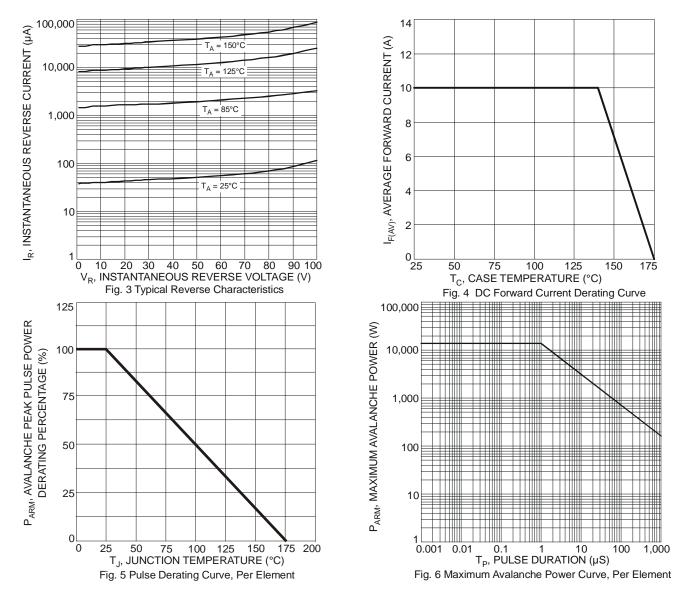
Notes: 4. Short duration pulse test used to minimize self-heating effect.



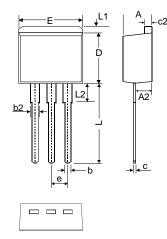


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Package Outline Dimensions



	TO262				
Dim	Min	Max	Тур		
Α	4.06	4.83	4.57		
A2	2.03	2.79	2.67		
b	0.64	0.99	-		
b2	1.14	1.40	1.24		
С	0.356	0.74	-		
c2	1.14	1.40	1.27		
D	8.64	9.65	8.70		
Ε	9.65	10.29	10.11		
е	2.54 Typ				
L	12.70	14.73	13.60		
L1	-	1.67	-		
L2	-	4.00	-		
AI	All Dimensions in mm				

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