

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

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

- 3 - 1 ,	, ,	
For capacitance load	 derate current b 	v 20%.

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{RM}	200	V
Average Rectified Output Current Per Device (Per Leg) (Total)	Io	5 10	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I _{FSM}	110	A

Thermal Characteristics (Per Leg)

NEW PRODUCT

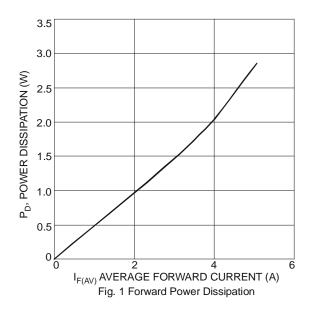
Characteristic	Symbol	Value	Unit
Typical Thermal Resistance (Notes 3)	$R_{\theta JC}$	2	°C/W
Operating and Storage Temperature Range	TJ, T _{STG}	-65 to 150	°C

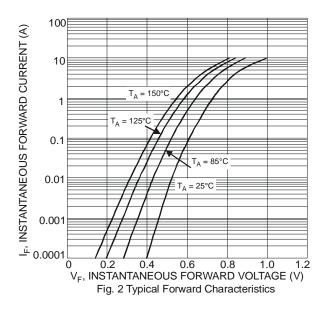
Electrical Characteristics (Per Leg) @T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop	VF	-	0.88	0.94 0.85	V	I _F = 5A, T _J = 25°C I _F = 5A, T _J = 125°C
Leakage Current (Note 4)	I _R	-	-	100 20		V _R = 200V, T _J = 25°C V _R = 200V, T _J = 125°C

Notes: 3. Device mounted on Polymide substrate, 125mm2 copper pad, double-sided, PC boards.

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

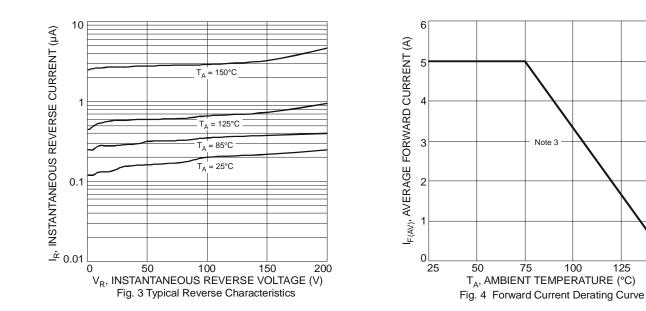




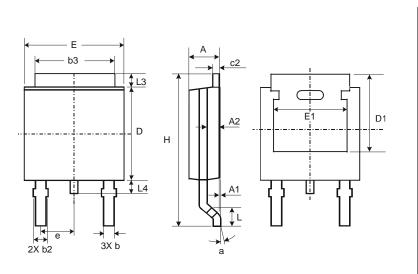
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150



Package Outline Dimensions

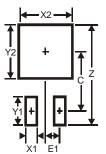


TO252					
Dim	Min	Max	Тур		
Α	2.19	2.39	2.29		
A1	0.00	0.13	0.08		
A2	0.97	1.17	1.07		
b	0.64	0.88	0.783		
b2	0.76	1.14	0.95		
b3	5.21	5.46	5.33		
c2	0.45	0.58	0.531		
D	6.00	6.20	6.10		
D1	5.21	-	-		
е	-	-	2.286		
Е	6.45	6.70	6.58		
E1	4.32	-	-		
Н	9.40	10.41	9.91		
L	1.40	1.78	1.59		
L3	0.88	1.27	1.08		
L4	0.64	1.02	0.83		
а	0°	10°	-		
All Dimensions in mm					

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Suggested Pad Layout



Dimensions	Value (in mm)
Z	11.6
X1	1.5
X2	7.0
Y1	2.5
Y2	7.0
С	6.9
E1	2.3

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