

Maximum Ratings (@T_A = +25°C, unless otherwise specified.)

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

For capacitive load, derate current by 20%.

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{RM}	60	٧
Average Rectified Output Current	Io	10	Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I _{FSM}	140	А

Thermal Characteristics (Per Leg)

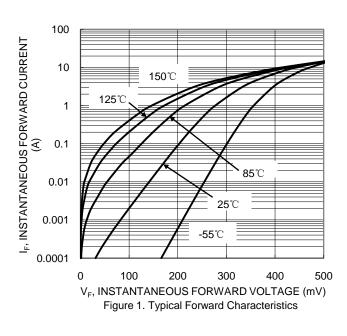
Characteristic	Symbol	Value	Unit
Typical Thermal Resistance Junction to Ambient (Note 6)	$R_{\theta JA}$	18	°C/W
Typical Thermal Resistance Junction to Case (Note 6)	$R_{\theta JC}$	2	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

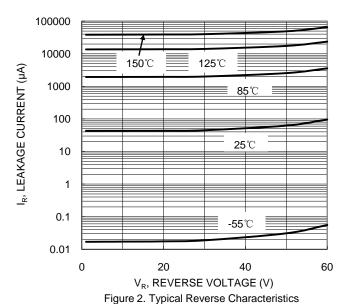
Electrical Characteristics (Per Leg) (@T_A = +25°C, unless otherwise specified.)

Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop	V _F	_	0.44	0.52	V	I _F = 10A, T _J = +25°C
Forward Voltage Drop		_	_	0.50		I _F = 10A, T _J = +125°C
Lookogo Current (Noto 7)	I _R	_	0.08	0.4	mA	V _R = 60V, T _J = +25°C
Leakage Current (Note 7)		_	_	70	mA	$V_R = 60V, T_J = +125$ °C

at http://www.diodes.com/package-outlines.html.7. Short duration pulse test used to minimize self-heating effect.

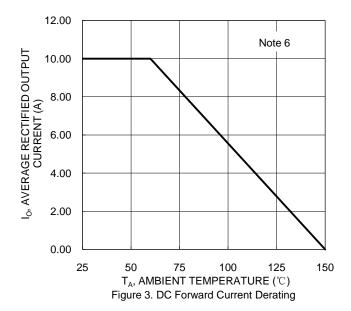
^{6. 2}inch*2inch Al board, minimum recommended pad layout as shown in Diodes Incorporated's package outline PDFs, which can be found on our website at http://www.diodes.com/package-outlines.html.

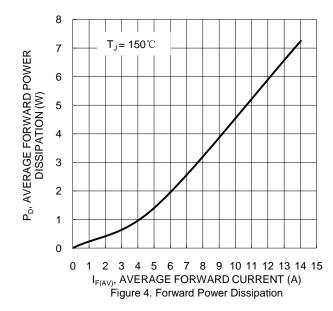


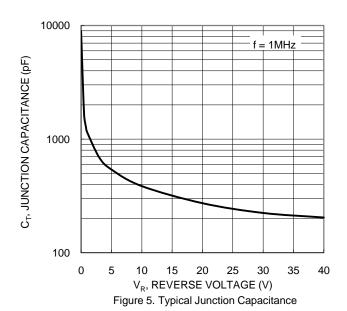


Notes:







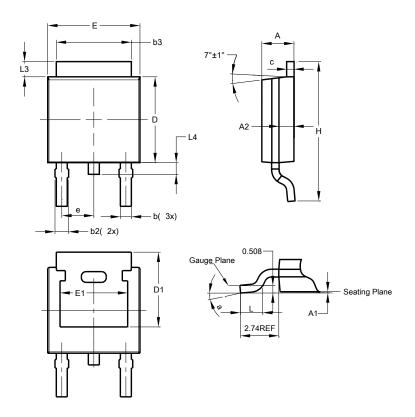




Package Outline Dimensions

Please see http://www.diodes.com/package-outlines.html for the latest version.

TO252 (DPAK)

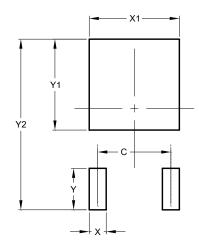


TO252 (DPAK)				
Dim	Min	Max	Тур	
Α	2.19	2.39	2.29	
A1	0.00	0.13	0.08	
A2	0.97	1.17	1.07	
b	0.64	0.88	0.783	
b2	0.76	1.14	0.95	
b3	5.21	5.46	5.33	
С	0.45	0.58	0.531	
D	6.00	6.20	6.10	
D1	5.21	-	-	
е	-	-	2.286	
Е	6.45	6.70	6.58	
E1	4.32	-	-	
Н	9.40	10.41	9.91	
L	1.40	1.78	1.59	
L3	0.88	1.27	1.08	
L4	0.64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

Suggested Pad Layout

Please see http://www.diodes.com/package-outlines.html for the latest version.

TO252 (DPAK)



Dimensions	Value (in mm)
С	4.572
Х	1.060
X1	5.632
Υ	2.600
Y1	5.700
Y2	10.700



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