

Unit

V

А

А

W

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

_			
Single phase, half wave, 60Hz, resistive or inductive For capacitance load, derate current by 20%.	load.		
Characteristic		Symbol	Value
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Vrrm Vrwm Vrm	45
Average Rectified Output Current @T _C = +150°C	Per Leg Total	lo	15 30

Thermal Characteristics

Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load

Repetitive Peak Avalanche Power (1µs, +25°C)

Characteristic	Symbol	Value	Unit
Typical Thermal Resistance Junction to Case (Per Leg)	Rejc	2	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +150	°C

IFSM

Parm

180

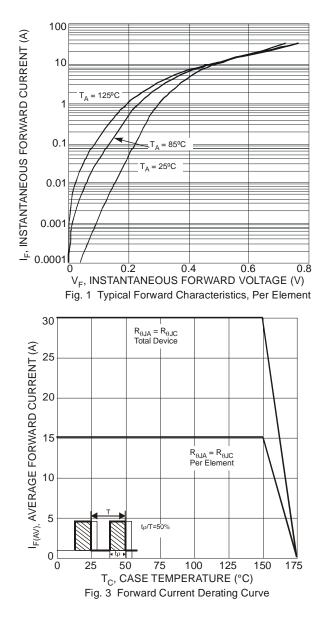
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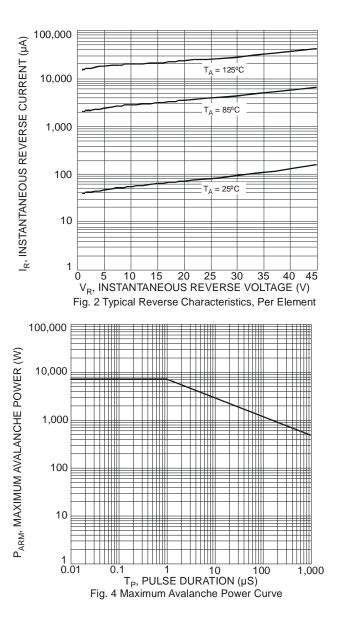
Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop (Per Leg)	VF			0.70	- V	I _F = 15A, T _J = +25°C
Forward Voltage Drop (Fer Leg)				0.66		I _F = 15A, T _J = +125°C
Leakage Current (Note 5)	I _R			0.3	mA	$V_R = 45V, T_J = +25^{\circ}C$
				50		V _R = 45V, T _J = +125°C

Note: 5. Short duration pulse test used to minimize self-heating effect.



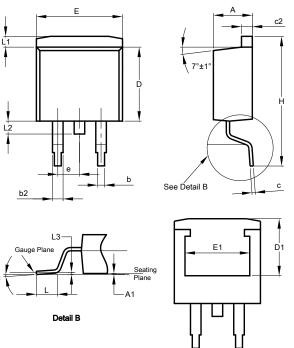






Package Outline Dimensions

Please see AP02002 at http://www.diodes.com/datasheets/ap02002.pdf for the latest version.

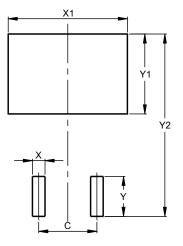


TO263AB (D2PAK) Dim Min Max T A 4.07 4.82 A1 0.00 0.25

Dim	Min	Max	Тур
Α	4.07	4.82	-
A1	0.00	0.25	-
b	0.51	0.99	
b2	1.15	1.77	١
С	0.356	0.73	1
c2	1.143	1.65	-
D	8.39	9.65	-
D1	6.55	6.95	-
е	2.54 TYP		
E	9.66	10.66	1
E1	6.23	8.23	-
Н	14.61	15.87	-
L	1.78	2.79	-
L1	_	1.67	_
L2	-	1.77	-
L3	_	-	0.254
а	0°	8°	-
All Dimensions in mm			

Suggested Pad Layout

Please see AP02001 at http://www.diodes.com/datasheets/ap02001.pdf for the latest version.



TO263AB (D2PAK)

TO263AB (D2PAK)

Dimensions	Value (in mm)
С	5.08
Х	1.10
X1	10.41
Y	3.50
Y1	7.01
Y2	15.99



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