

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

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

For capacitance load, derate current by 20%.

Characteristic		Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V _{RM} V _{RM} V _{RM}	45	٧
Average Rectified Output Current	(Per Leg) (Total)	lo	15 30	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load		I _{FSM}	220	А

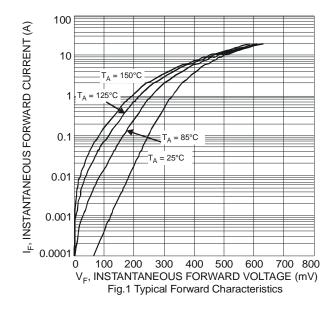
Thermal Characteristics (Per Leg)

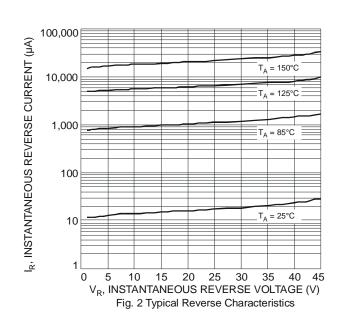
Characteristic		Symbol	Value	Unit
Typical Thermal Resistance Junction to Case		$R_{\theta JC}$	2	°C/W
	V _R ≤ 80% V _{RRM}		-65 to +175	
Operating Temperature Range	V _R ≤ 50% V _{RRM}	T_J	≤180	۰C
	DC Forward Mode		≤200	
Storage Temperature Range		T _{STG}	-65 to +175	°C

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

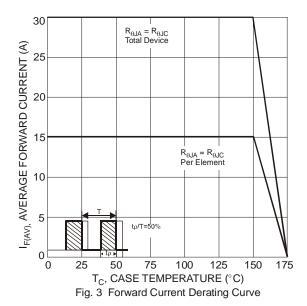
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop	V _F	-	-	0.65	· · · · · · · · · · · · · · · · · · ·	$I_F = 15A, T_J = 25^{\circ}C$
Polward Voltage Drop		-	-	0.58		I _F = 15A, T _J = 125°C
Leakage Current (Note 4)	I _R	-	0.03	0.2	l ma	$V_R = 45V, T_J = 25^{\circ}C$
Leakage Current (Note 4)		-	10	40		$V_R = 45V, T_J = 125^{\circ}C$

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

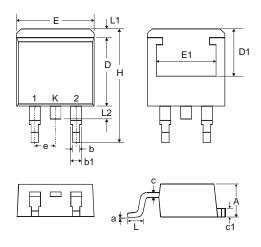






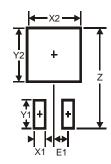


Package Outline Dimensions



D ² PAK				
Dim	Min	Max		
Α	4.07	4.82		
b	0.51	0.99		
b1	1.15	1.77		
С	0.356	0.58		
c1	1.143	1.65		
D	8.39	9.65		
D1	6.55	_		
Е	9.66	10.66		
E1	6.23	_		
е	2.54 Typ			
Н	14.61	15.87		
L	1.78	2.79		
L1	_	1.67		
L2		1.77		
а	0°	8°		
All Dimensions in mm				

Suggested Pad Layout



Dimensions	Value (in mm)
Z	16.9
X1	1.1
X2	10.8
Y1	3.5
Y2	7.01
E1	2.5



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