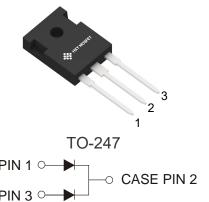


Features

- High Surge Capability
- Low Forward Voltage Drop
- High Current Capability
- Super Fast Switching Speed For High Efficiency



Maximum Ratings (Ta=25 ℃ unless otherwise noted)

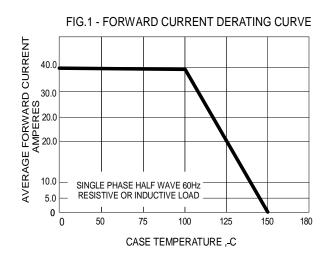
Rating	Symbol	Value	Unit
Maximum Repetitive Reverse Voltage	VRRM	600	V
DC Blocking Voltage	VDC	600	V
Maximum Average Forward Current	lav	40	Α
Peak Forward Surge Current ,8.3ms single half sine-wave superimposed on rated load(JEDEC method)	IFSM	450	А
Maximum Forward Voltage at 20A,per element	VF	1.70	V
Maximum DC Reverse Current at T _A =25°C Rated DC Blocking Voltage T _A =100°C	lR	1 300	μA
Maximum Reverse Recovery Time (Note 1)	Trr	50	ns
Maximum Thermal Resistance (Note 2)	Ro-JC	3.0	°C/W
Operating Junction and Storage Temperature Range	TJ,TSTG	-55 to +150	°C

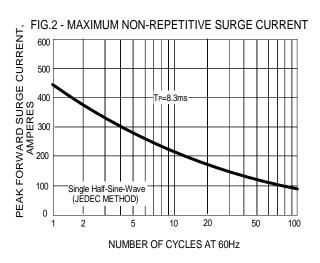
NOTES:

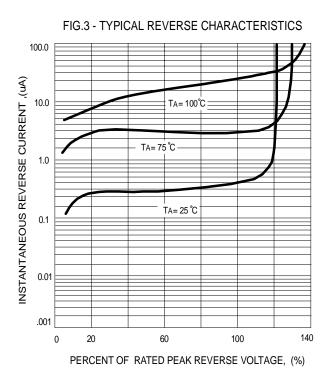
- 1. Reverse Recovery Test Conditions: IF=0.5A, IR=1A, Irr=0.25A.
- 2. Thermal resistance from junction to case.

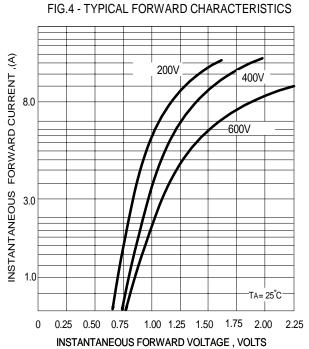


Typical Characteristics

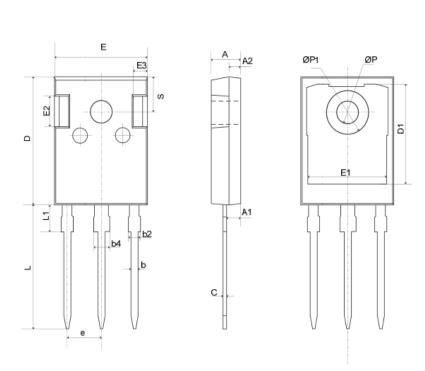








TO-247 Package Information



COMMON DIMENSIONS

	N	MM	
SYMBOL	MIN	MAX	
А	4.80	5.20	
A1	2.21	2.61	
A2	1.85	2.15	
b	1.11	1.36	
b2	1.91	2.21	
b4	2.91	3.21	
С	0.51	0.75	
D	20.70	21.30	
D1	16.25	16.85	
E	15.50	16.10	
E1	13.00	13.60	
E2	4.80	5.20	
E3	2.30	2.70	
e	5.44BSC		
L	19.62	20.22	
L1	_	4.30	
ØР	3.40	3.80	
ØP1	_	7.30	
s	6.15BSC		



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