1N6391

SCHOTTKY RECTIFIER



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NAINA

Switch mode Power Rectifier.

employing the Schottky Barrier principle in a large area metal-to-silicon power diode. State-of-the-art geometry features epitaxial construction with oside passivation and metal overlap contact, ideally suited for use as rectifiers in low-voltage, high-frequency inverters, free whelling diodes, and polarity protection diodes.

- Extremely Low V.
- Low Stored Charge, Majority
 Carrier Conduction
- Low Power Loss/High Efficiency
- · High Surge Capacity

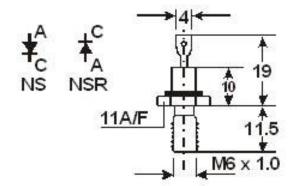
Mechnical Characteristics:

- Case Welded steel, hermetically seated
- Finish: All External Surtaces Corrosion Resistant and Terminal Lead is Readily Solderable

Solder Heat: The excellent heat transfer property of the heavy duty copper anode terminal which transmits heat away from the die requires that caution be used when attaching wires.

Stud Torque: 15 lb-in max

25 AMPERE 45 VOLTS



MAXIMUM RATINGS

Ratings	Symbol	1N6391	UNIT
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage PC Blooking Voltage	VRRM VRIMM VR	45	Volts
Nonrepetitive Peak Reverse Voltage	Vrem	54	Volts
Average Rectified Forward Current W.DataSheetdU.com Villagery S0.2 Visite Tc=85°C	lo	25	Amps
Ambient Temperature Rated Value Print = 0, Rule=3.5 CAV	TA	90	l C
Nonrepetitive Peak Surge Current (surge applied at rated load conditions, halfwave, single phase, 60 Hz)	leam .	600 for one cycle	Amps
Operating and Storage Junction Temperature Range (Reverse voltage applied)	T_ Ing	-65 TO +150	ıC.
Peak Operating Junction Temperature (Forward Current Applied)	T _{2(pk)}	150	II.C
THERMAL CHARACTERISTICS	the sale	10000	(A)
Characteristics	Symbol	Max	Unit
Thermal Resistance, Junction to case	Ruc	2.0	CAV
ELECTRICAL CHARACTERISTICS (Tc =25 C unless other	erwise noted)	- Marketon	
Maximum Instantaneous Forward Voltage (I⊭=5 Amps) (I⊭=50Amps)	V _F	0.44 0.78	Volts
Maximum Instantaneous Reverse Current @ 125 C @175 C		40 400	ma ma