INTERNATIONAL
IRI

POWER DIODE
350NU/350RU

FEATURES

- Available in Normal & Reverse Polarity
- All Diffused Series
- Industrial Grade
- Solder contact device
- Bus Bar Type



TYPICAL APPLICATIONS

- Power supplies
- Machine tool controls
- Battery chargers
- Welders
- Traction

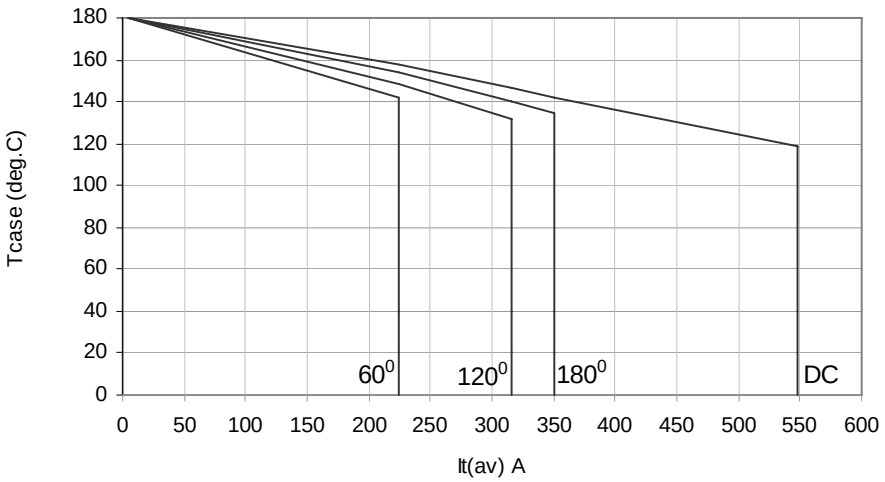
TECHNICAL DATA

DEVICE TYPE	V_{RRM} (V)	V_{RSM} (V)
350NU120/350RU120	1200	1300
350NU160/350RU160	1600	1700
350NU180/350RU180	1800	1900

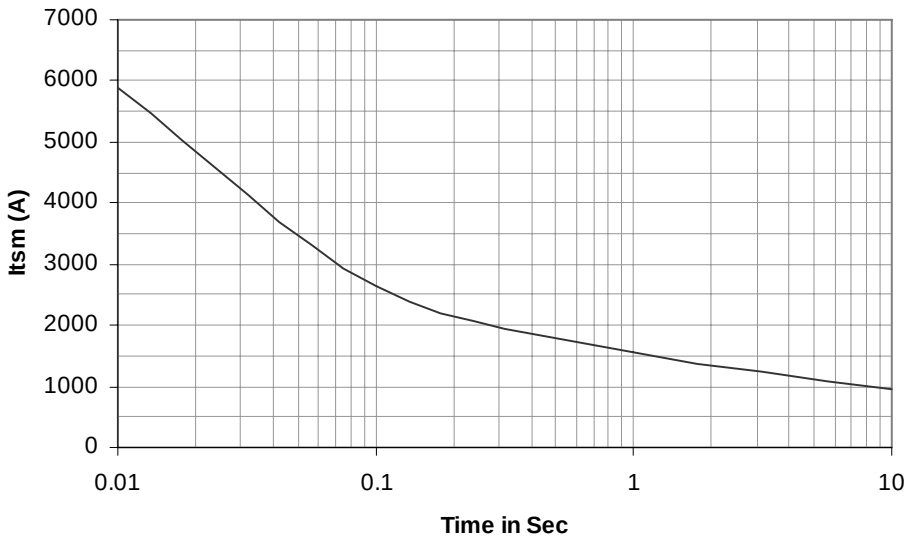
SYMBOL	CONDITIONS	VALUES
$I_{F(AV)}$	Maximum average forward Current T_C = 125°C	350A
V_{FM}	Maximum peak forward Voltage drop @ 1050 AP	1.15 V
I_{FSM}	Maximum peak one cycle (non-rep.) surge current 10 msec	6000 A
I^2t	Max. I^2t rating (non-rep.) for 10 msec	180000 A^2Sec
I_{RRM}	Peak reverse current at T_{vj} = 175°C	50 mA
V_0 R_0	Tvj=max Tvj=max	0.75 V 0.36m Ω
$R_{th(j-c)}$ $R_{th(c-h)}$ Tvj Tstg	Maximum thermal resistance (Junction to case) Maximum thermal resistance (Case to heat sink) Junction temperature Storage temperature	0.12 °C/W 0.02 °C/W 180 °C 180 °C
Mounting torque		15 Nm/Per Bolt
Weight	Approx.	600 gms
Package Outline		U

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Maximum Permissible Case Temp

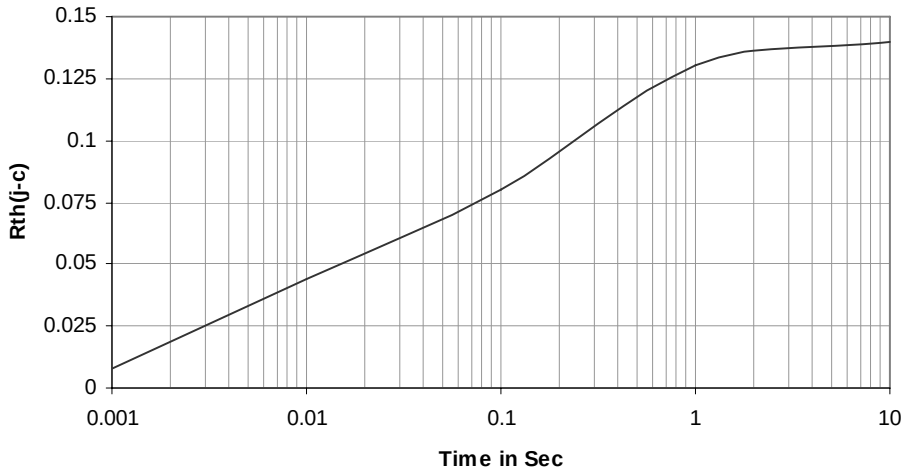


Max non repetitive Surge Current

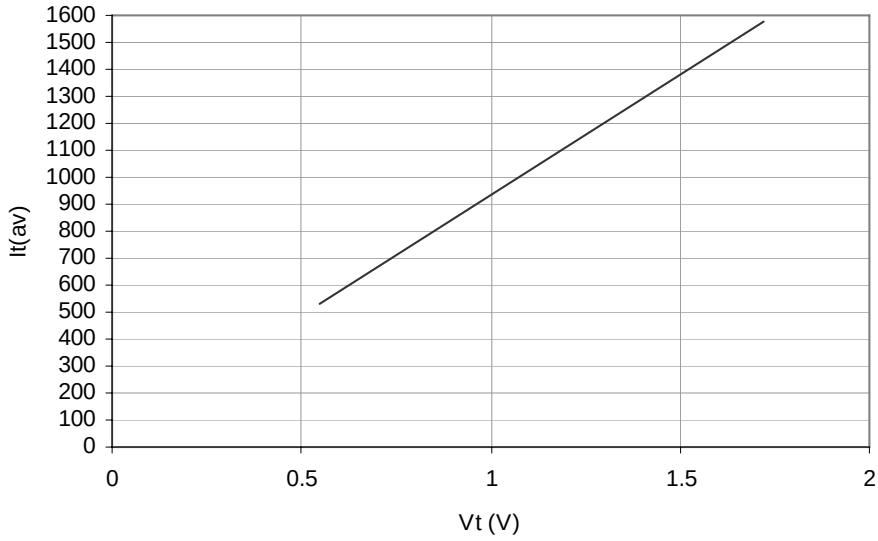


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Transient Thermal Impedance Junction to Case

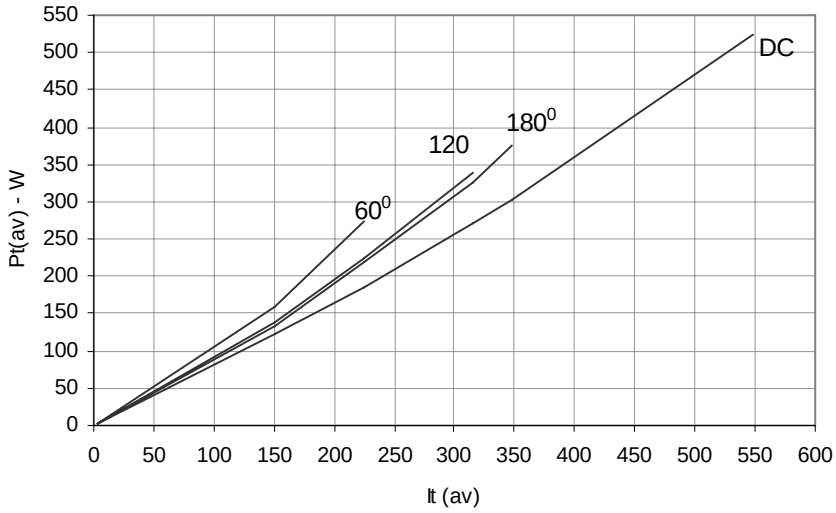


On State Characteristics



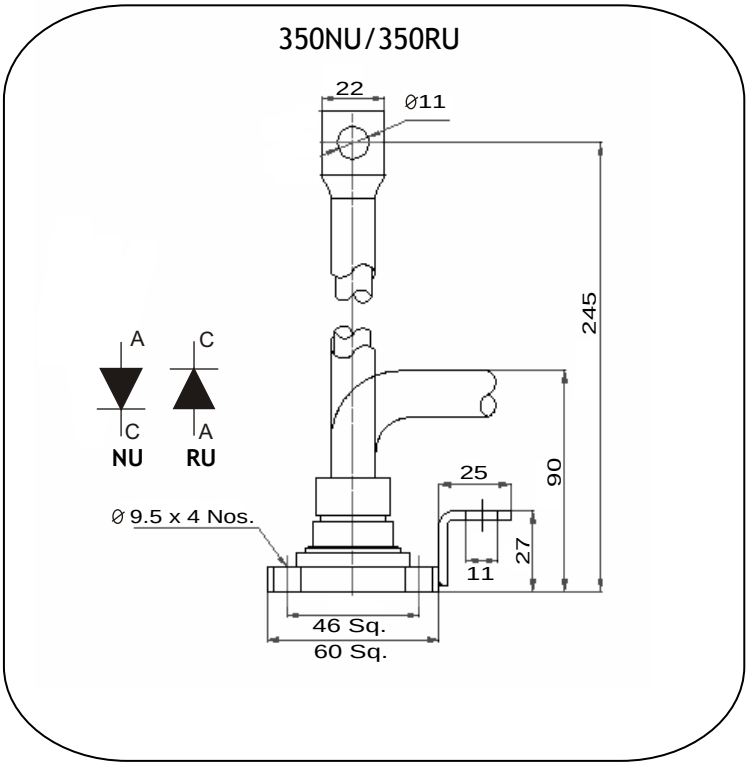
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On State Power Loss



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PACKAGE OUTLINE



All dimensions are in mm.

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(An ISO 9001:2015, ISO 14001:2015 Certified Company)

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