

FEATURES

- Available in Normal & Reverse Polarity
- All Diffused Series
- Industrial Grade
- Pressure contact device

TYPICAL APPLICATIONS

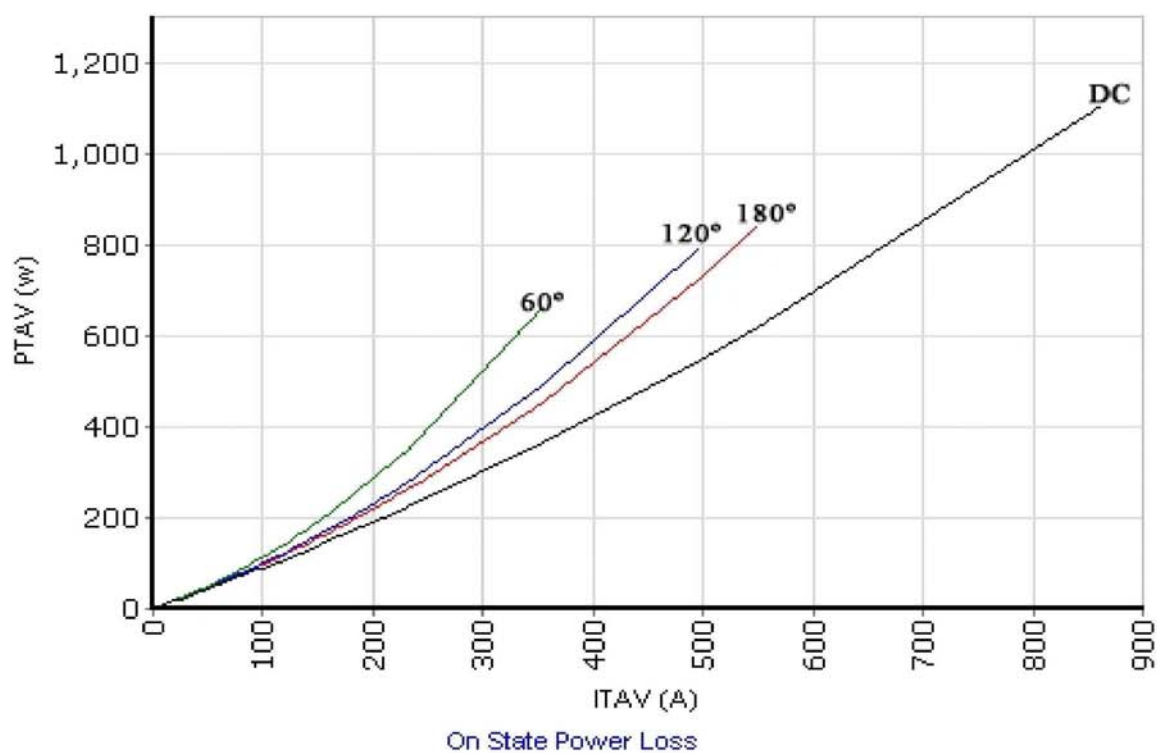
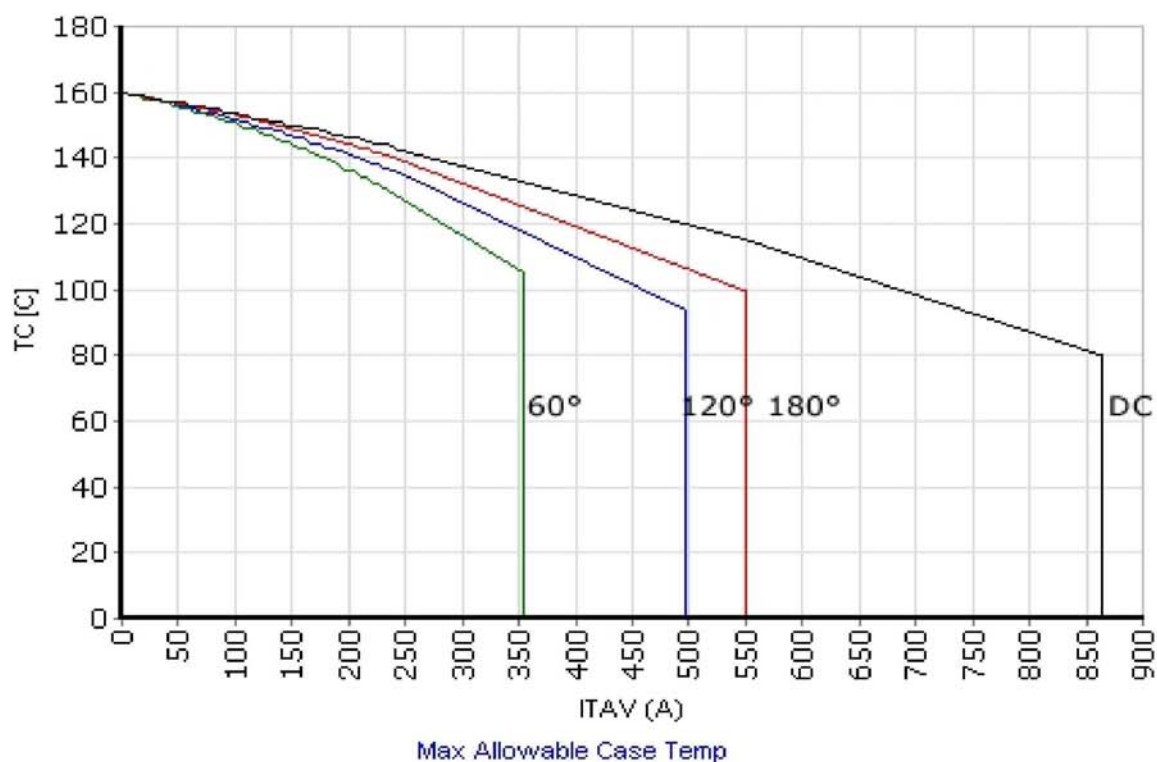
- Power supplies
- Machine tool controls
- Battery chargers
- Welders
- Traction

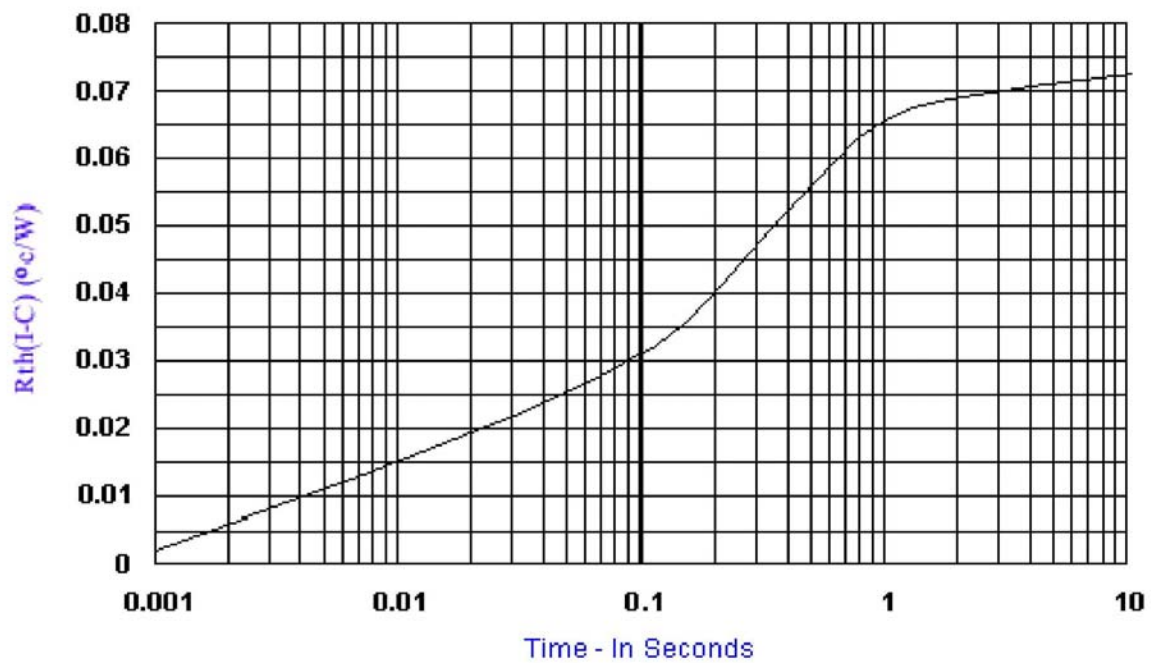
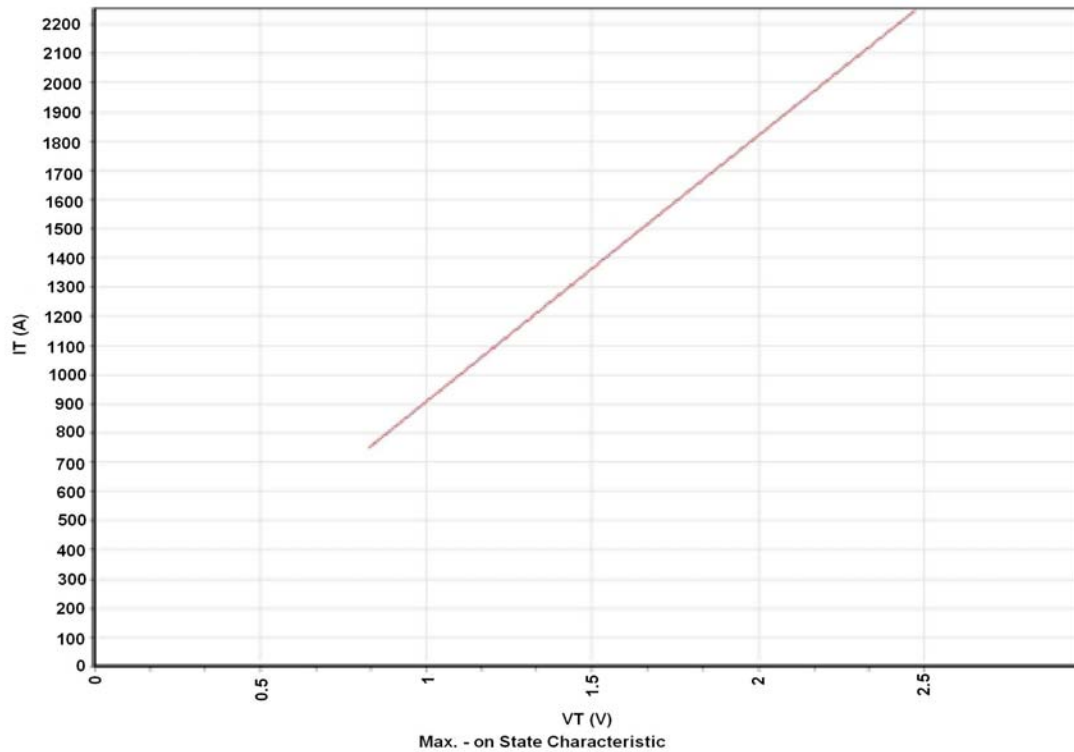
TECHNICAL DATA

DEVICE TYPE	V_{RRM} (V)	V_{RSM} (V)
570NU120/570RU120	1200	1300
570NU180/570RU180	1800	1900
570NU430/570RU430	4300	4400

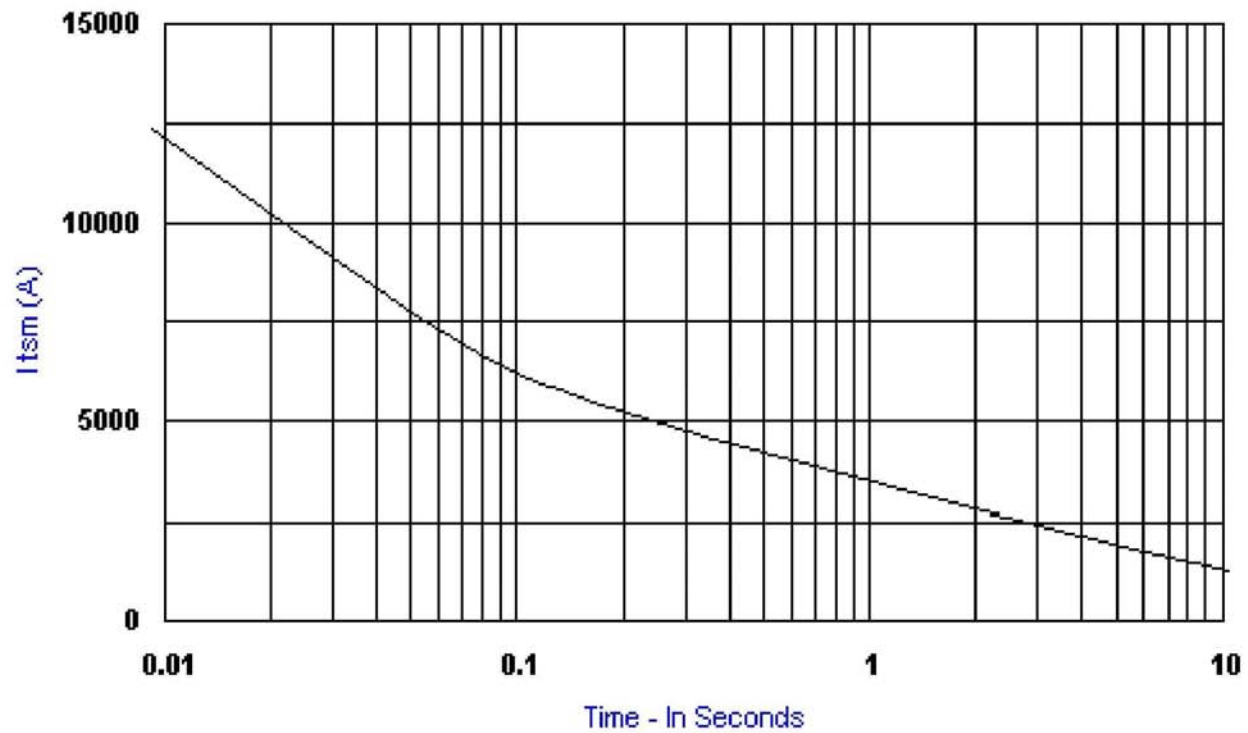


SYMBOL	CONDITIONS	VALUES
$I_{F(AV)}$	Maximum average forward Current $T_c = 80^{\circ}\text{C}$	570A
V_{FM}	Maximum peak forward Voltage drop @ 1500 AP	1.65 V
I_{FSM}	Maximum peak one cycle (non-rep.) surge current 10 msec	12000A
I^2t	Max. I^2t rating (non-rep.) for 10 msec	725000 A^2Sec
I_{RRM}	Peak reverse current at $T_{vj} = 175^{\circ}\text{C}$	50 mA
V_0 R_0	$T_{vj}=\text{max}$ $T_{vj}=\text{max}$	0.75 V 0.44 $\text{m}\Omega$
$R_{th(j-c)}$ $R_{th(c-h)}$ T_{vj} T_{stg}	Maximum thermal resistance (Junction to case) Maximum thermal resistance (Case to heat sink) Junction temperature Storage temperature	0.065 $^{\circ}\text{C}/\text{W}$ 0.02 $^{\circ}\text{C}/\text{W}$ 180 $^{\circ}\text{C}$ 180 $^{\circ}\text{C}$
Mounting torque		15 Nm/Per Bolt
Weight	Approx.	760 gms
Package Outline		U



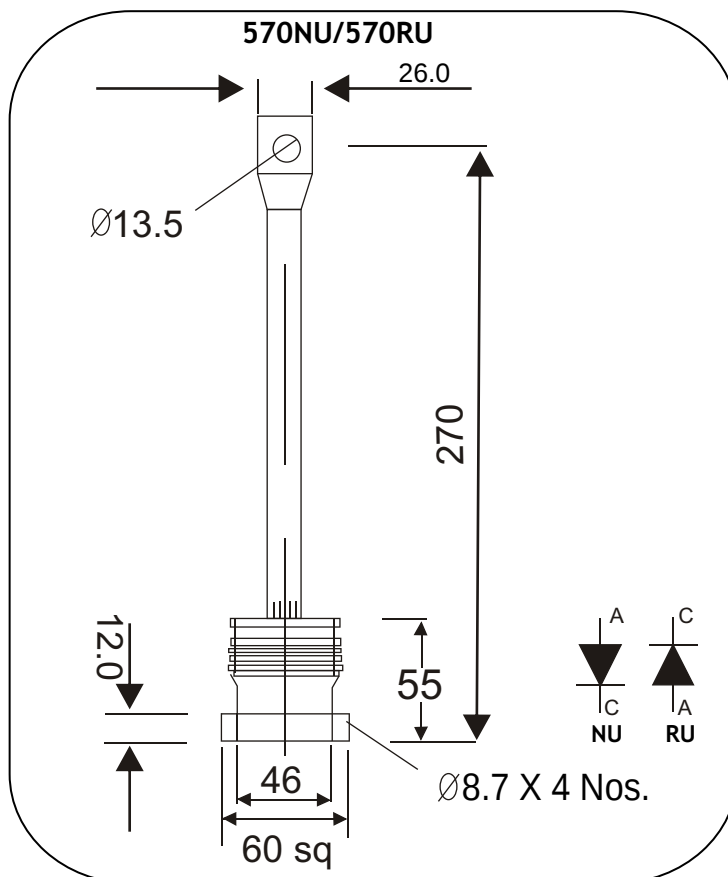


Transient Thermal Impedance Junction to Case



Max Non Repetitive Surge Current

PACKAGE OUTLINE



All dimensions are in mm.

Insel Rectifiers (India) Pvt. Ltd.

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

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