INTERNATIONAL
IRI

# THREE PHASE BRIDGE RECTIFIERS

## PTB-450

## FEATURES

- Button diodes with heat sink
- Thermostate , M.O.V. & 35 MM Bus bar
- Compact size
- Low cost



## TYPICAL APPLICATIONS

- $Co_2$ – welding machine
- DC power supplies

## TECHNICAL DATA

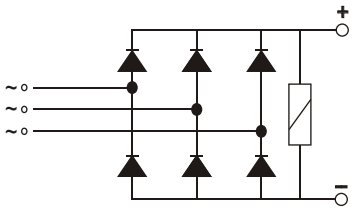
| DEVICE TYPE | $V_{RRM}$ (V) | $V_{RSM}$ (V) |
|---|---|---|
| **PTB-450/600** | **600** | **700** |

| SYMBOL | CONDITIONS | VALUES |
|---|---|---|
| $I_{F(AV)}$ | Maximum average forward Current $T_C$ = 100$^0$C | 450A |
| $V_{FM}$ | Maximum peak forward Voltage drop @ 450A | 1.30 V |
| $I_{FSM}$ | Maximum peak one cycle (non-rep.) surge current 10 msec | 3600 A |
| $I_{RRM}$ | Peak reverse current at $T_{vj}$ = 175$^0$C | 20 mA |
| Tvj<br>Tstg | Junction temperature<br>Storage temperature | 140 °C<br>140 °C |
| Mounting torque | | 6 Nm/Bolt |
| Weight | Approx. | 1.8 Kg |
| Duty cycle @ 60% | | 270 A |
| Package Outline | | IR- 26 |

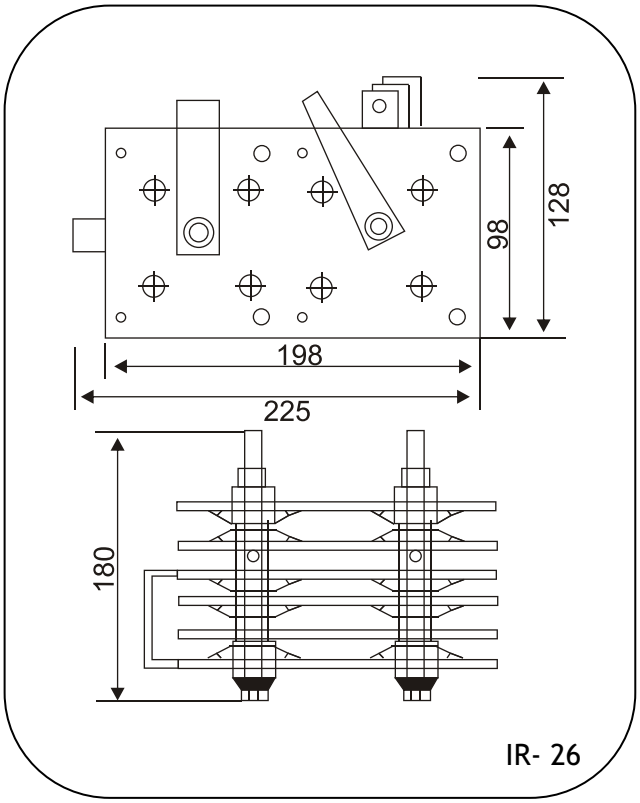


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## CIRCUIT DIAGRAM




## PACKAGE OUTLINE




All dimensions are in mm.

**Insel Rectifiers (India) Pvt. Ltd.**

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