

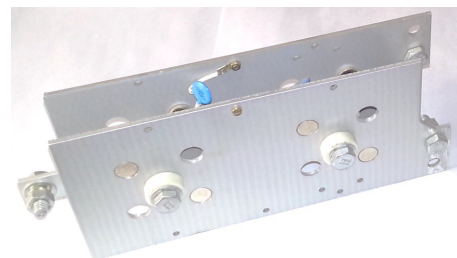
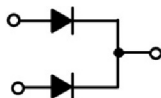
Single phase rectifier stack (with press-fit diodes), 108 Amps

Features

- Compact design
- Low cost
- High efficiency

Applications

- Power supplies
- Welding machines
- Battery chargers

**General Specifications** ($T_C = 25^{\circ}\text{C}$, unless otherwise specified)

Parameters	Symbol	Values	Units
Nominal output voltage	V_{DC}	80	V
Maximum nominal output current	I_{DC}	108	A
Number of plates (with M.O.V)		2 plates, 200x100	mm
Number of diodes	n	8	nos.

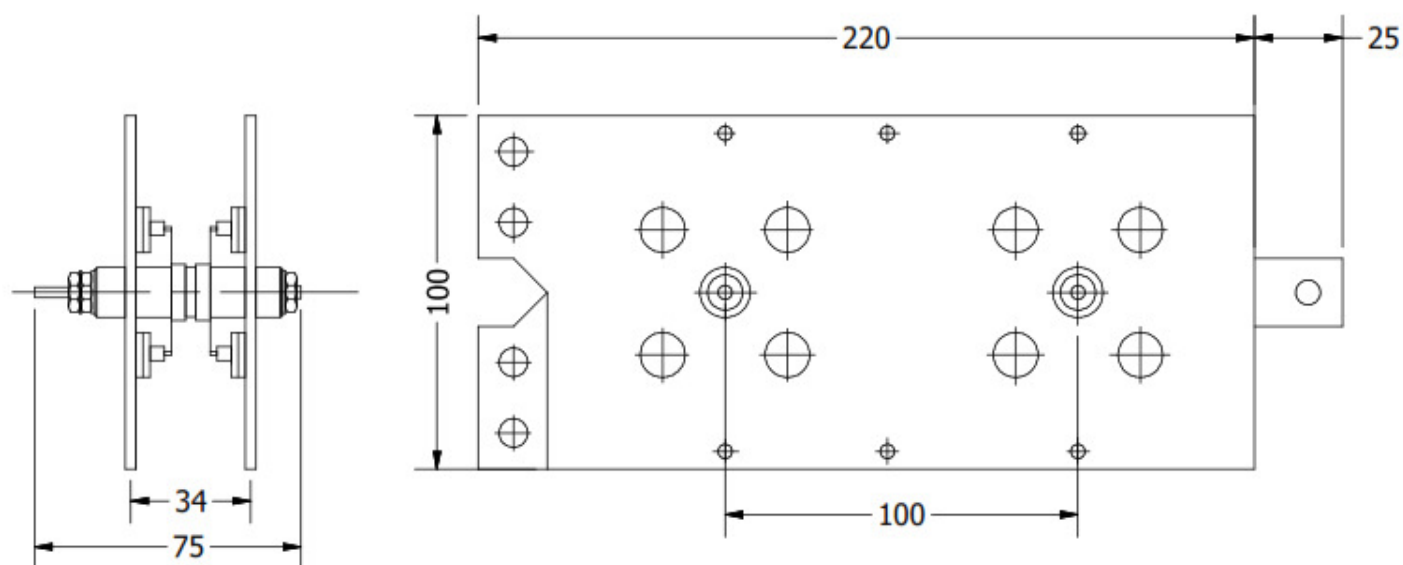
Semiconductor Specifications ($T_C = 25^{\circ}\text{C}$, unless otherwise specified)

Parameters	Symbol	Values	Units
Repetitive reverse voltage	V_{RRM}	400	V
Average forward current @ $T_C = 130^{\circ}\text{C}$	$I_{F(AV)}$	35	A
Max. reverse current	I_R	10.0	@ $T_J = 25^{\circ}\text{C}$
		500	@ T_{Jmax}
Forward surge current @ T_{Jmax}	I_{FSM}	450	A
On-state maximum voltage @ $T_J = 25^{\circ}\text{C}$,	V_{FM}	1.2	V

Thermal and Mechanical Specifications ($T_C = 25^{\circ}\text{C}$, unless otherwise specified)

Parameters	Symbol	Values	Units
Maximum operating junction temperature range	T_J	- 40 to +175	$^{\circ}\text{C}$
Maximum storage temperature range	T_{Stg}	- 40 to +175	$^{\circ}\text{C}$
Approximate weight	W	640	g

Package Outline



ALL DIMENSIONS IN MM

Ordering Table

NR	Q/S	10	8
1	2	3	4

- 1 – Rectifier Stack
 2 – Q = Single-Phase
 S = Three-Phase
 3 – Current Rating = I_{DC}
 4 – Voltage = V_{DC}