

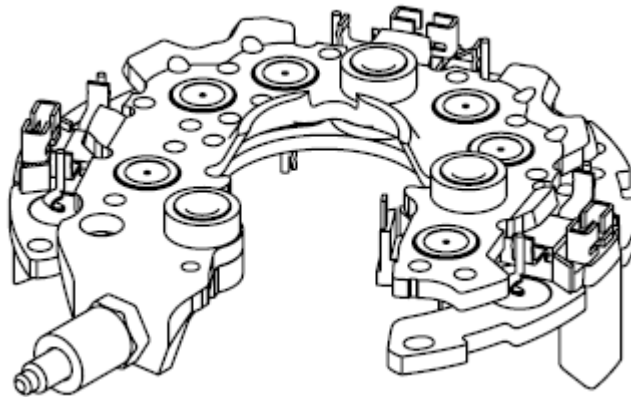
PRODUCT DATA SHEET
INR422

Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	Initial Release (Binz 2/12/2019)	2/12/2019	Cindy
A	N/A	Updated figure 2. (Cham 11/23/2020)	11/23/2020	BR

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	Binz	Cham	Cindy		Cindy
DATE	2/12/2019	2/12/2019	2/12/2019		2/12/2019

RECTIFIER FOR NIPPONDENSO

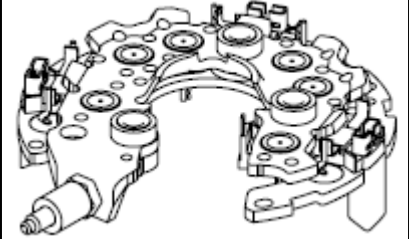
The INR422 is a three-phase rectifier. The diodes are welded to the lead frame for improved reliability.

KEY FEATURES:

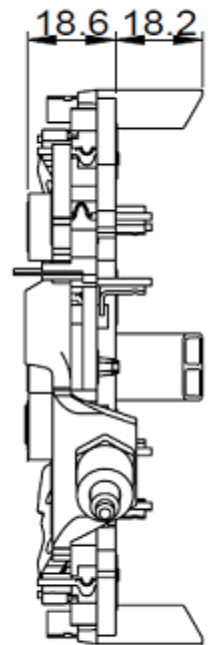
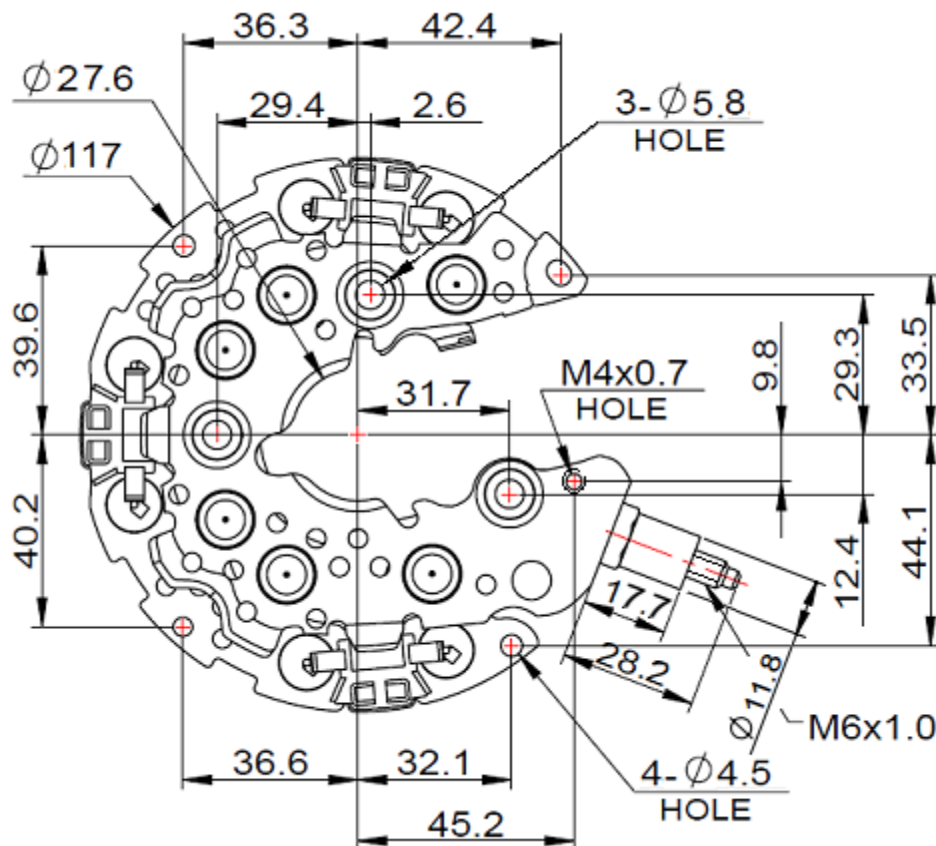
- M6 Battery Terminal
- 12-50A / 20-24V Avalanche Press Fit Diodes
- Spot Welding Terminals
- Nickel Plated Copper Heat Sinks.

INR422

TRANSPO RECTIFIER



1.0 MECHANICAL CHARACTERISTICS



All dimensions are in mm and for reference only
Figure 2

2.0 MAXIMUM POWER RATINGS



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ITEM	CHARACTERISTICS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
2.1	Peak Repetitive Reverse Voltage	V_{RWM}	---	---	16	V
2.2	D.C. Blocking Voltage	V_R	---	---	16	V
2.3	Diode, Average Rectified Forward Current	I_o	---	---	50	A

3.0 DIODE THERMAL CHARACTERISTICS

ITEM	CHARACTERISTICS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
3.1	Operating and Storage Junction Temperature Range	T_{STG} T_J	-40	---	200	°C

4.0 ELECTRICAL CHARACTERISTICS

ITEM	CHARACTERISTICS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
4.1	Instantaneous Forward Voltage @ $I_F = 100A, T_C = 25^\circ C$	V_F	---	---	1.2	V
4.2	Reverse Current @ $16V_{REV}$ $T_C = 25^\circ C$	I_R	---	1	10	μA
4.3	Avalanche Voltage @ 100mA	V_{AVAL}	20	---	24	V

5.0 PINOUTS

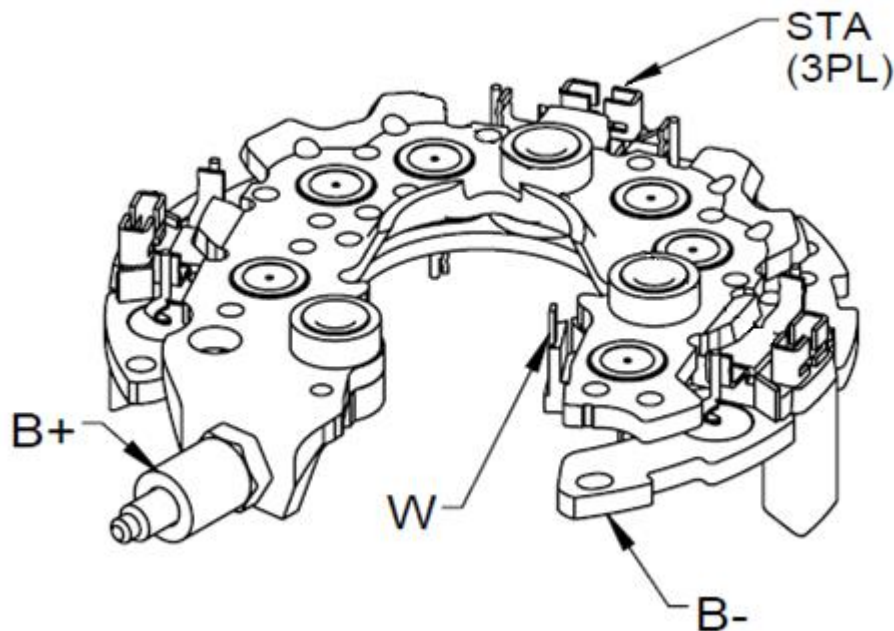


Figure 3



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