PRODUCT DATA SHEET
MER5256

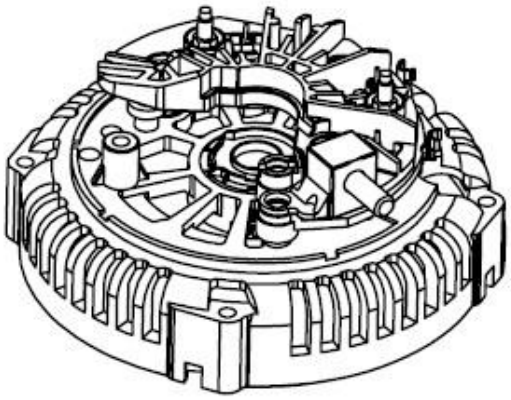


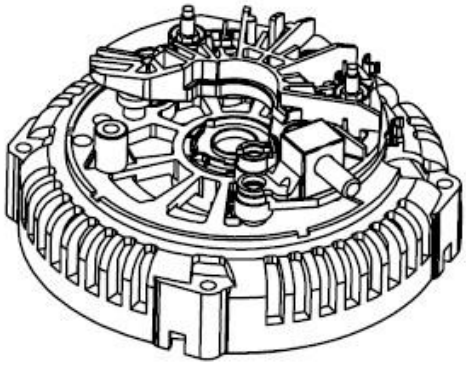
Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	Initial Release （CHR 03/12/2015）	03-20-15	MC

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	chris	MC			
DATE	03-12-15	03-20-15			

MER5256

TRANSPO RECTIFIER



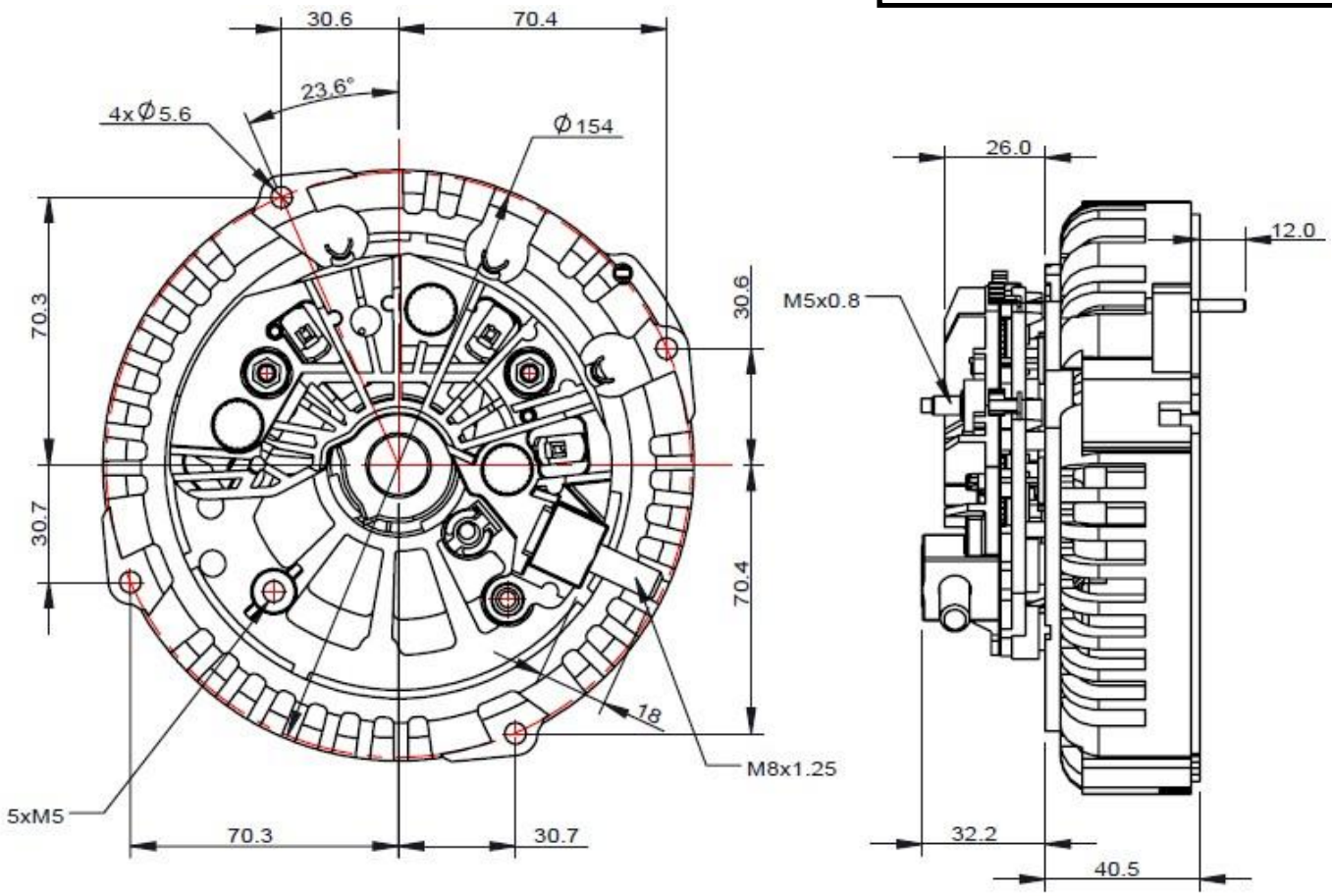
RECTIFIER FOR MER5256

The MER5256 is a three-phase rectifier. The diodes are welded to the leadframe for improved reliability.

KEY FEATURES:

- 6-80A, 20-24V, avalanche Press Fit diodes
- For delta wound stator applications.
- M8x1.25 B+ bolt, Blue Zinc plating.
- Aluminum Heat sink.
- Crimp-weld diodes stem terminations.
- With tolerance ring installed..

1.0 MECHANICAL CHARACTERISTICS



All dimensions are in mm and for reference only

Figure 2

2.0 MAXIMUM POWER RATINGS

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	---	---	80	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°C	V_F	---	---	1.20	V
4.2	Reverse Current @ 18V_{REV} T_C = 25°C	I_R	---	1	10	µA
4.3	Avalanche Voltage @ 100mA	V_{AVAL}	20	---	24	V

5.0 PINOUTS

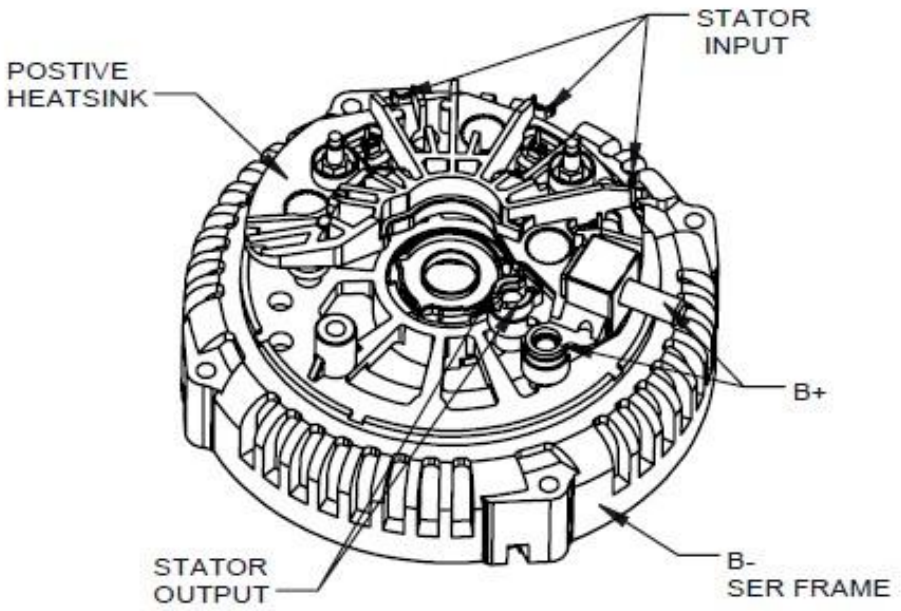


Figure 3