

**PRODUCT DATA SHEET  
GH5530**

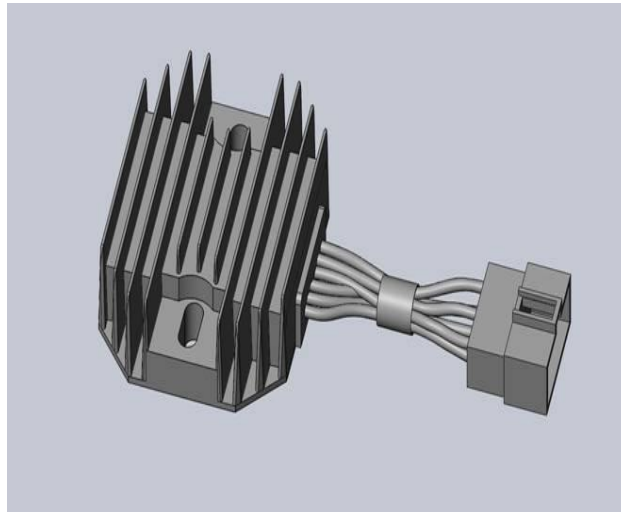


Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	Initial Release (TW 2018/12/25)	2018/12/25	Terry.Guo

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	Tom	Avin	Tom		Terry
DATE	2018/12/25	2018/12/25	2018/12/25		2018/12/25

## REGULATOR FOR MOTORCYCLE

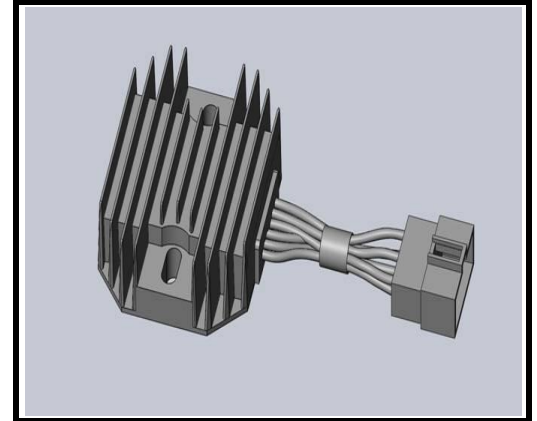
The GH5530 functions to keep the battery at full charge, by maintaining the proper output of the alternator under changing load conditions and varying speeds.

### KEY FEATURES

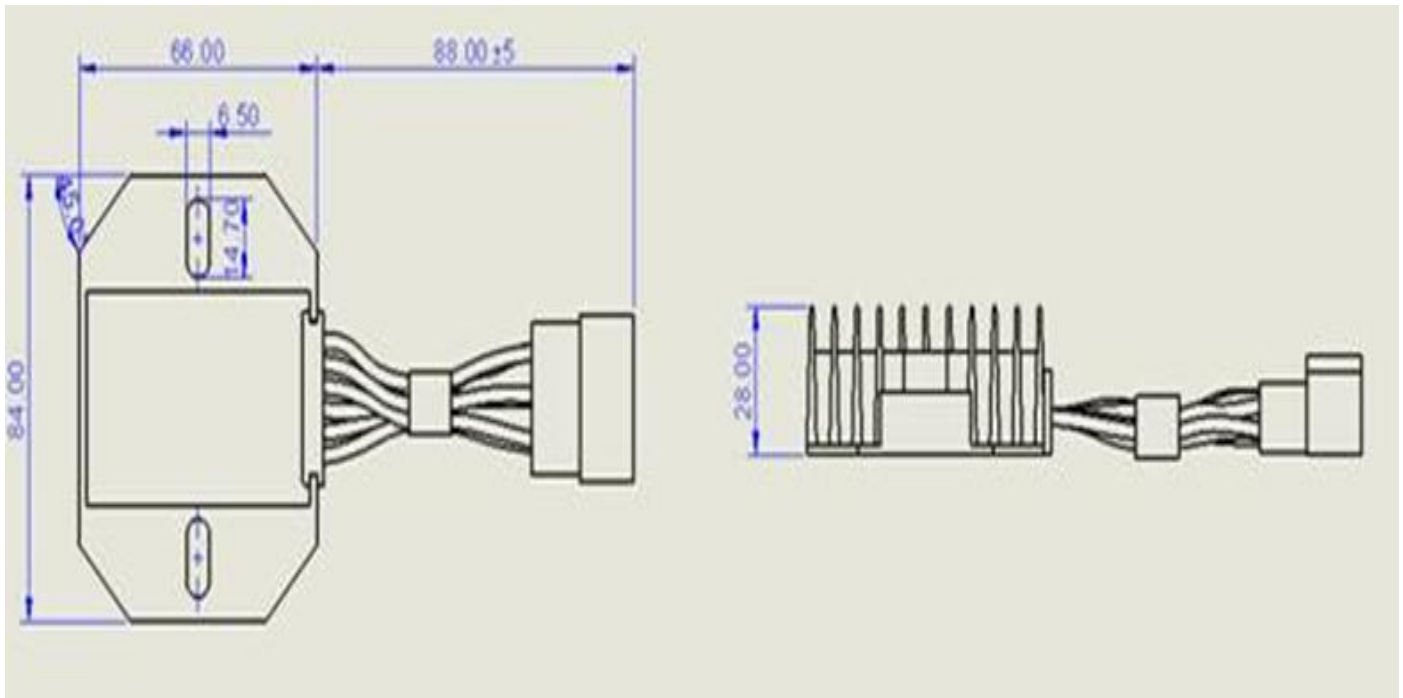
- Ceramic Hybrid construction.
- Voltage Setpoint is  $14.6 \pm 0.2$  Volts.
- 2 Phase bridge rectifier.

## GH5530

TRANSPO REGULATOR



### 1.0 MECHANICAL CHARACTERISTICS



ALL DIMENSIONS ARE IN mm AND FOR REFERENCE ONLY

Figure 2

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## 2.0 Pinouts

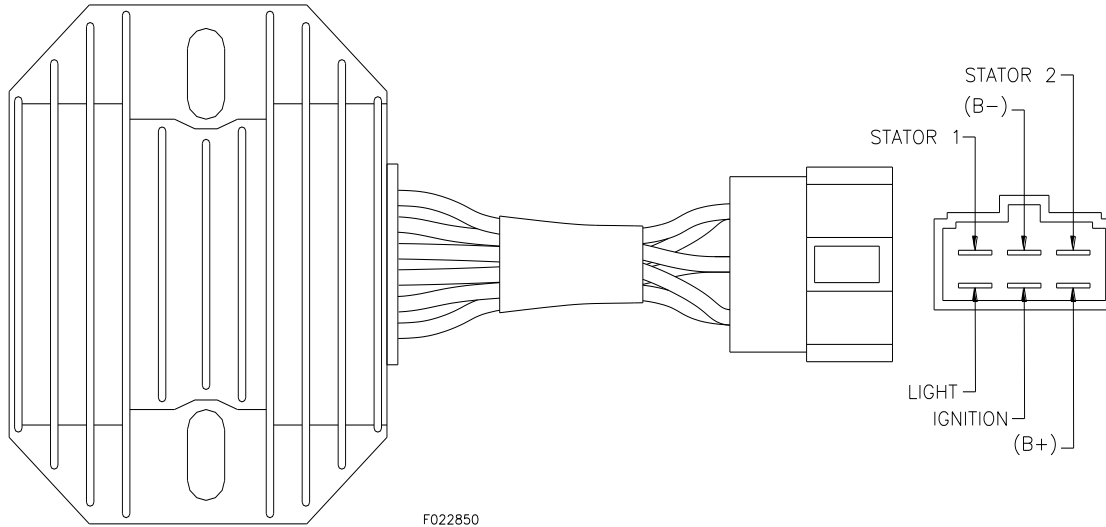


Figure 3

## 3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOL S	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	$T_{OP}$	-40	---	125	°C
Voltage Set Point (4000 RPM with no load)	$V_{SET}$	14.40	14.60	14.80	V
Rectifier Peak Repetitive Reverse Voltage (per phase)	$V_{RRM}$	---	---	200	V
Standby Current Drain	$I_D$	---	0.8	---	mA
SCR, Average Rectified Forward Current (Resistive Load, 60Hz, 25 °C)	$I_o$	---	---	22	A
Temperature Coefficient	T. C	---	---	---	mv/°C

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