

PRODUCT DATA SHEET

IH746

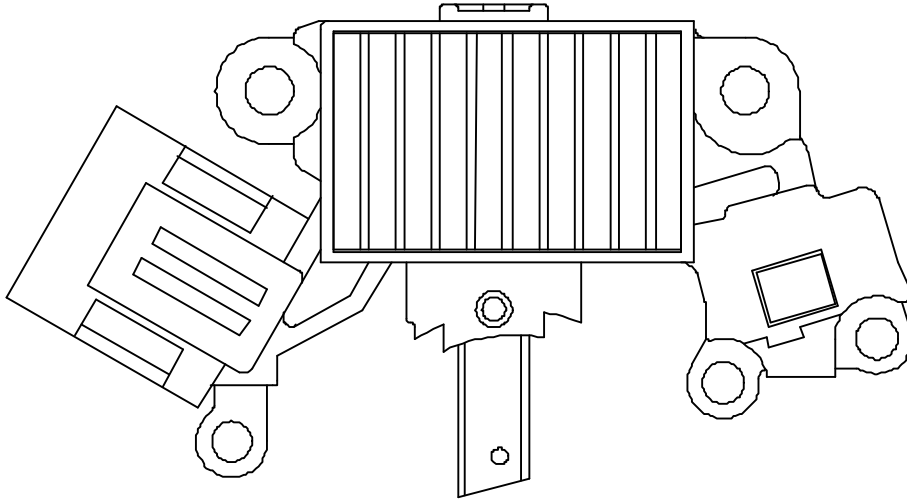


Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0		Initial release(RC 2011.1.19)	2011.1.21	MC

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	RC		GM		MC
DATE	2011.1.19		2011.1.21		2011.1.21

REGULATOR FOR HITACHI

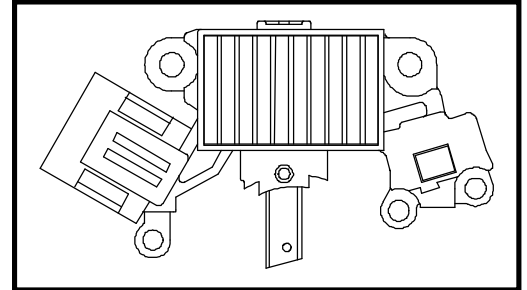
The IH746 functions to keep the battery at full charge, by maintaining the proper output of the alternator under changing load conditions and varying speeds.

KEY FEATURES

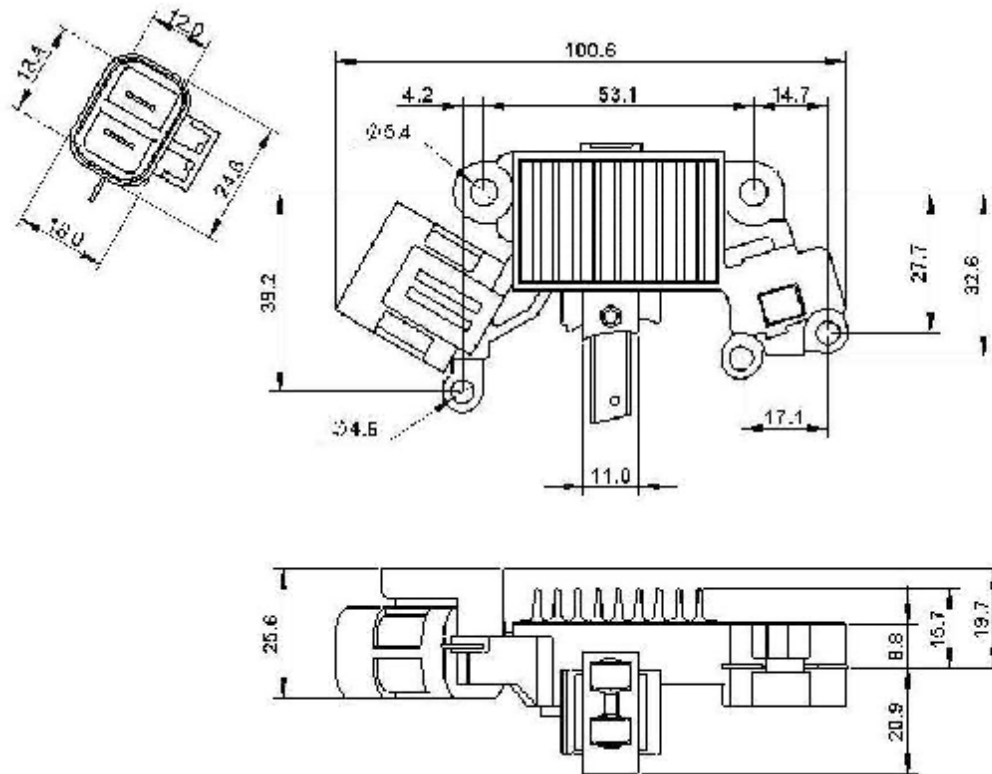
- A-Circuit, Low Side Drive
- Light Activated
- Soft Start
- 10 Seconds LRC
- Field Short Circuit Protection
- Standard Lamp – Without Output

IH746

TRANSCO REGULATOR



1.0 MECHANICAL CHARACTERISTICS



All dimensions are in mm and for reference only
Figure 2



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2.0 Pinouts

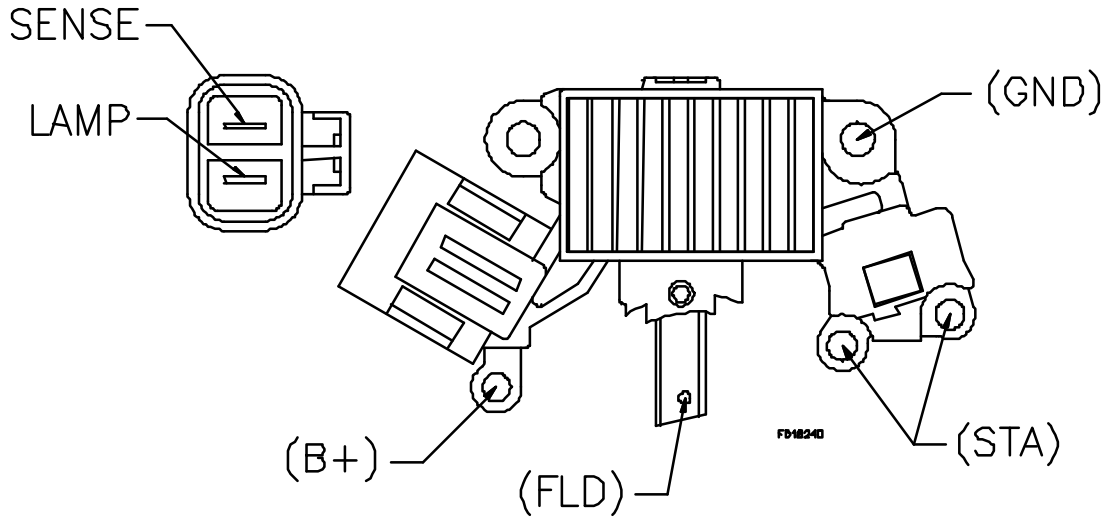


Figure 3

3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T_{OP}	-40	--	125	°C
Field	I_F	---	5	---	A
Primary Voltage Set Point (4000 RPM with no load)	V_{SET}	14.2	14.4	14.6	V
Secondary Voltage Set Point (4000 RPM with no load)	V_{SEC}	15.1	15.4	15.7	V
Regulation vs. Speed (1500 to 4500 RPM with no load)	V_{SPD}	---	-0.01	-0.03	V
Regulation vs. Load (6000 RPM with no load to 90% full load)	V_{LOAD}	---	-0.1	-0.3	V
Saturation Voltage @ 5A, 12Volts	V_{SAT}	---	0.75	---	V
Standby Current Drain (Key off, $V_{BAT} = 12V$)	I_D	---	1	3	mA
Temperature Coefficient	T.C.	---	-4	---	mV/°C

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