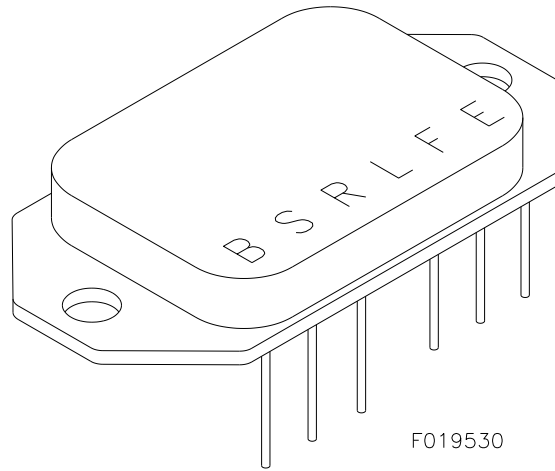


PRODUCT DATA SHEET
IH716



F019530

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	Initial Release	01/09/03	NTR

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	JMC	AHN	GEM	HEJ	GEM
DATE	12/17/02	12/19/02	01/09/03	01/09/03	01/09/03

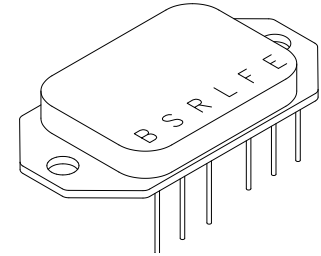
HITACHI REPLACEMENT REGULATOR

The IH716 functions to keep the battery at full charge, by maintaining the proper output of the alternator under changing load conditions and varying speeds.

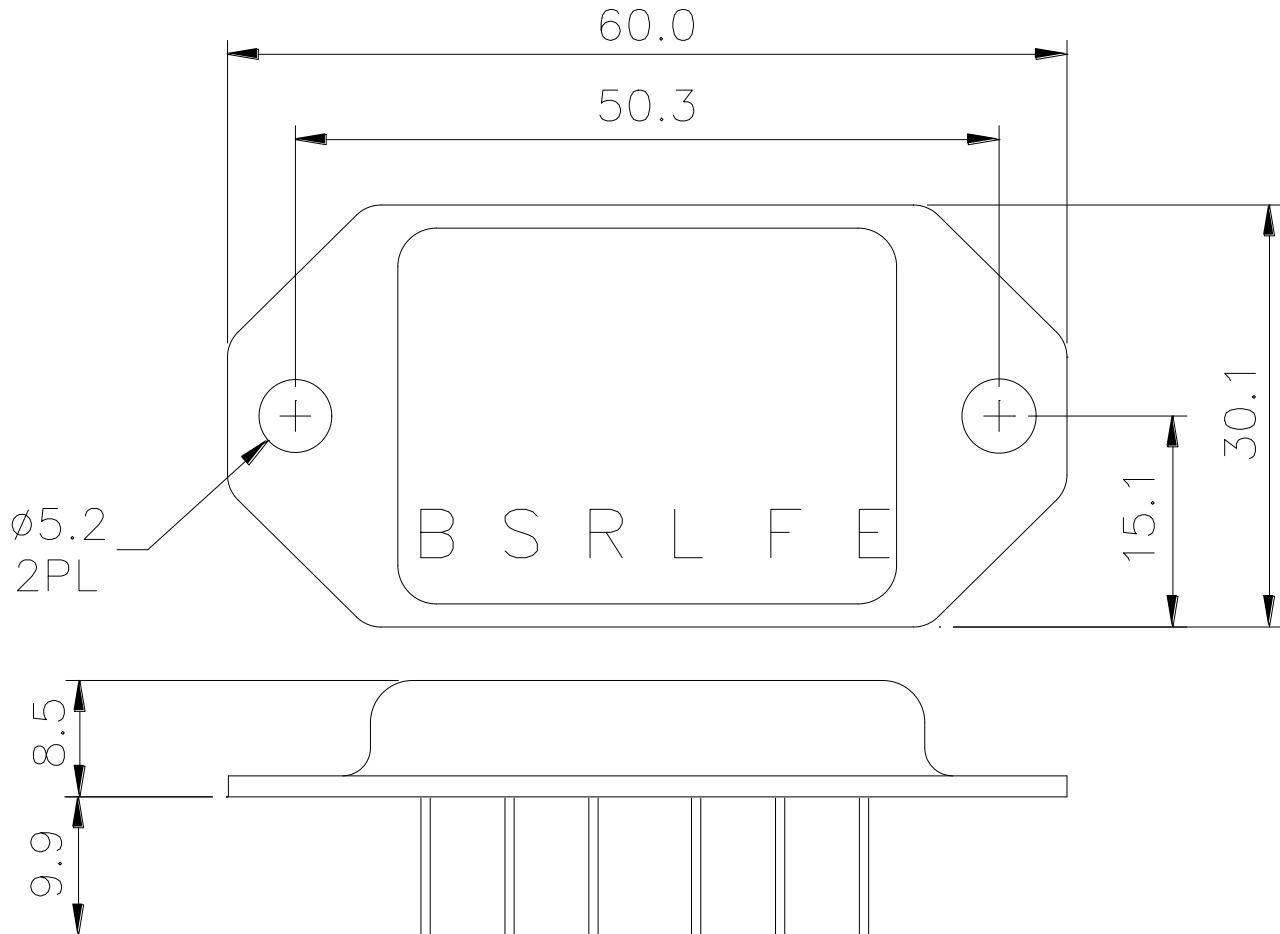
KEY FEATURES

- "A" circuit, low side drive regulator.
- Voltage Setpoint is 28.50 Volts.

IH716 TRANSPO REGULATOR



1.0 MECHANICAL CHARACTERISTICS



All dimensions are nominal and in mm. Tolerance is $\pm .50$ mm.

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Engineering Hot Line: 1-800-327-6903

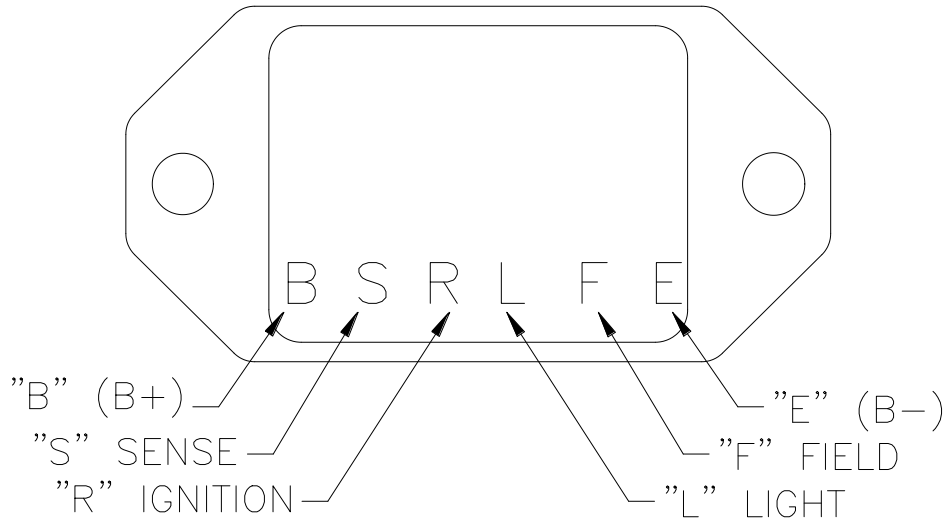
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Sales 1-800-327-7792

Fax: 1-407-298-4519



2.0 PINOUTS



3.0 SUMMARY

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T _{OP}	-40	---	125	°C
Field	I _F		3		A
Voltage Set Point (4000 RPM with no load)	V _{SET}	28.2	28.5	28.8	V
Secondary Set Point (4000 RPM with no load)	V _{SET}	28.5	29.5	30.5	V
Regulation vs. Speed (1500 to 4500 RPM with no load)	V _{SPD}	---	-0.1	---	V
Regulation vs. Load (6000 RPM with no load to 90% full load)	V _{LOAD}	---	-0.4	---	V
Saturation Voltage @ 3A, 24Volts	V _{SAT}	---	1.00	---	V
Standby Current Drain (Key off, V _{BAT} = 12V)	I _D	---	8	---	mA
Temperature Coefficient	T.C.	---	-11	---	mV/°C

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