ENGINEERING DEPARTMENT





PRODUCT DATA SHEET S1002S



REVISIONS									
REV	ECO #	DESCRIPTION	DATE	APPVD					
0		Initial Release (ECD 5/23/05)	9/22/05	NTR					

	ORIGINATOR	MECHANICAL	ELECTRICAL	MARKETING	APPROVED
		ENGINEER	ENGINEER		ENGINEERING
NAME	ECD	DEW	GEM	HJ	ART
DATE	5/26/05	5/26/05	9/20/05	6/21/05	9/21/05



S1002S

TRANSPO REGULATOR

MOTORCYCLE REPLACEMENT REGULATOR (KAWASAKI, YAMAHA, SUZUKI)

The S1002S Regulator 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

- Solid State
- Ceramic Hybrid Construction
- Three phase Bridge Rectifier
- Shunt mode SLR Regulator

F025280



All dimensions are for reference only.

Transpo Electronics Inc. Engineering Group 2000

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1.0 MECHANICAL CHARACTERISTICS

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2.0 Pinouts



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}	14.3	14.6	14.9	V
Rectifier Peak Repetitive Reverse Voltage (per phase)	V _{RRM}			200	V
Average Rectified Forward Current (per phase, resistive load,25°C)	I _O			6	А
Standby Current Drain (Key off, V _{BAT} = 12.6V)	Ι _D		1.00		mA
Temperature Coefficient	T.C.		-7		mV/°C

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