



Figure 3

### 3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	$T_{OP}$	-40	—	125	$^{\circ}C$
Field	$I_F$	—	5	—	A
Voltage Set Point (4500 RPM with no load)	$V_{SET}$	14.1	14.3	14.5	V
Regulation vs. Speed (1500 to 4500 RPM with no load)	$V_{SPD}$	—	-0.01	-0.03	V
Regulation vs. Load (9000 RPM with no load to 80% full load)	$V_{LOAD}$	—	-0.1	-0.3	V
Saturation Voltage @ 5A, 12Volts	$V_{SAT}$	—	5	—	V
Temperature Coefficient	T.C.	—	0	-1	mV/ $^{\circ}C$

VA1163.

### KEY FEATURES

- "A" circuit, Low side drive regulator.
- The regulator features 3-25 ampere press-fit diodes.
- Voltage Set point is 14.3V.
- The Field rating is 5 Amps.
- Rectifier functions.
- For generator type application.

## 1.0 MECHANICAL CHARACTERISTICS