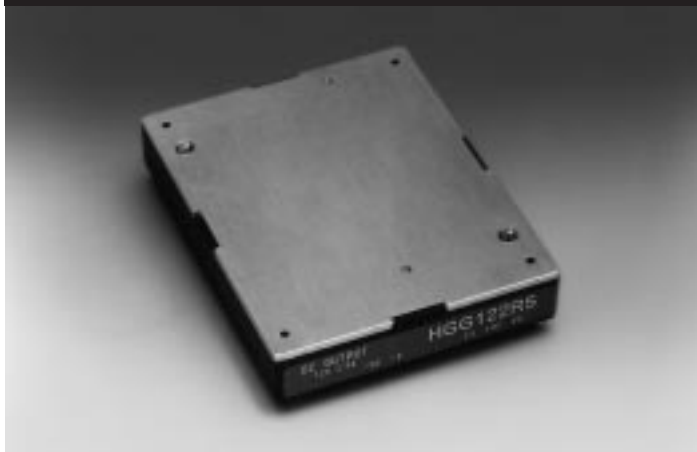




FEATURES

- Thermal Protection – Automatic Reset
- Remote Sense
- Remote ON/OFF
- Switching Frequency Synchronization
- Parallel Operation
- Series Operation
- Compact Footprint/Low Profile

SPECIFICATIONS

INPUT

Voltage Range See Model Selection Table

OUTPUT

Output Voltage See Model Selection Table

Output Voltage Adjustment $\pm 10\%$ – See Engineering Data for details

Regulation

Total $\pm 5\%$ max.

Set Point $\pm 3\%$ max.

Output Current See Model Selection Table

Dielectric Strength 500 VDC for one minute

Insulation Resistance $>100 \text{ M}\Omega$ (@ 500 VDC)

ENVIRONMENTAL

Operating Ambient Temp. -10 to $+80^\circ\text{C}$ (Base Plate Temperature)

Storage Temp. -25 to $+85^\circ\text{C}$

Cooling Convection; See Engineering Data for details.

MECHANICAL

Shock 20G max., any side

Vibration Amplitude 1.5 mm, 10 - 55 Hz scan in 1 minute; X, Y, Z direction for 2 hours each (non-operating).

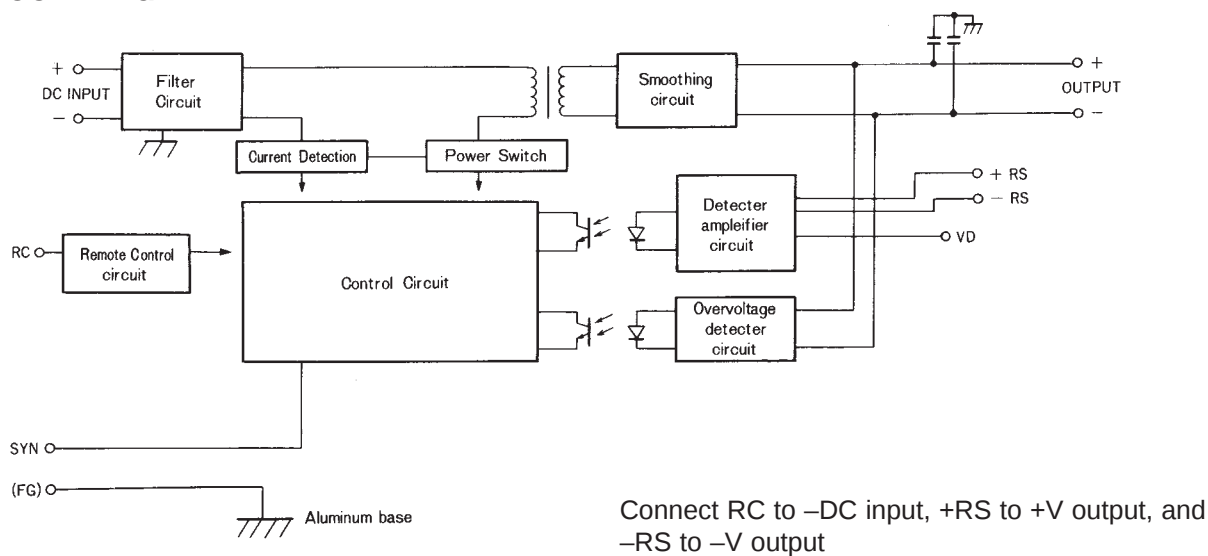
	5V	9V	12V	15V	24V
Regulation					
Line (typ.)	2 mV	4 mV	4 mV	6 mV	8 mV
Load (typ.)	5 mV	10 mV	10 mV	15 mV	20 mV
Temp Drift (typ.)	30 mV	60 mV	60 mV	100 mV	150 mV
Noise & Ripple (peak-to-peak)	200 mV	300 mV	300 mV	350 mV	400 mV
Overvoltage Protection (max.)	7V	12.2V	15.5V	20V	32V

MODEL SPECIFICATIONS

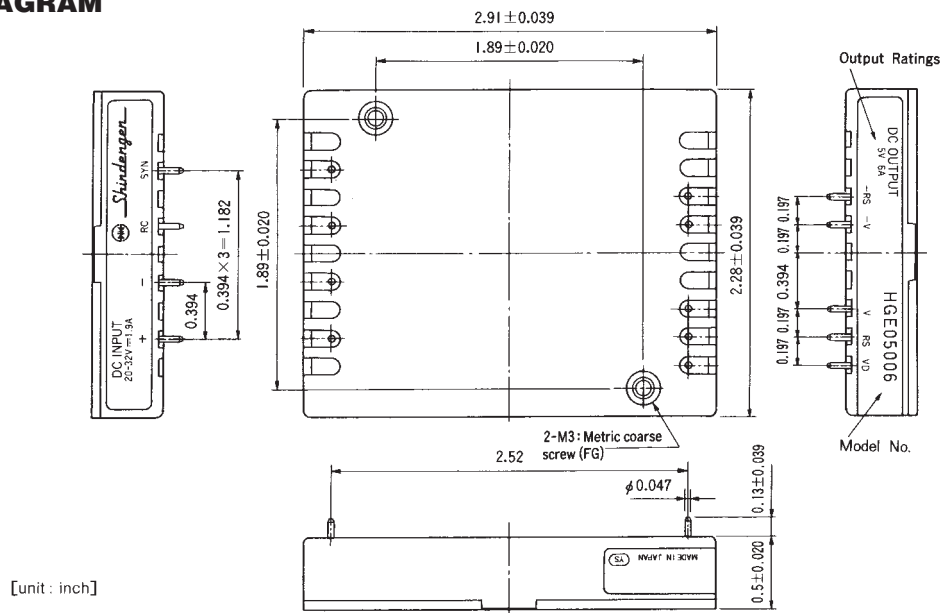
Output		24 (20-32)VDC		48 (40-60)VDC	
Volts	Amps	Model	Efficiency	Model	Efficiency
5	0-6.0	HGE05006	81%	HGG05006	83%
9	0-3.3	—	—	HGG093R3	84%
12	0-2.5	HGE122R5	83%	HGG122R5	85%
15	0-2.0	—	—	HGG15002	85%
24	0-1.3	HGE241R3	85%	HGG241R3	86%

Optional heatsinks are available – please consult factory

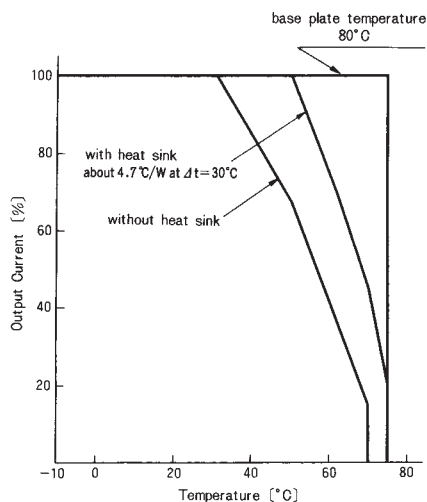
BLOCK DIAGRAM



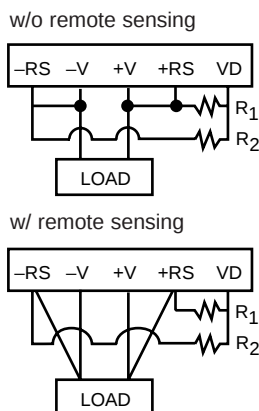
EXTERNAL DIAGRAM



DERATING CHART



VOLTAGE ADJUSTMENT



Connect either R1 to lower output voltage, or R2 to raise output voltage

MECHANICAL SPECIFICATIONS

Size (W x D x H) 2.91 x 2.28 x 0.5 inches
(74 x 58 x 12.7 mm)
Weight 2.4 oz (67 g)

Dimensions in inches; () Dimensions in mm.