



# 815-BR

## BRUSH SERVO MOTOR AMPLIFIER

### Performance Characteristics

Peak Power	1.1 kW
Peak Output Voltage	± 75 VDC (shut off @ 95 VDC)
Peak Output Current	± 15 amps (1 sec.)
Max. Continuous Current	± 8 amps (50 °C), ± 10 amps (25 °C)

### Electrical Characteristics

Input Signal Voltage	± 10 VDC (typ.), ± 35 VDC (max.)
System Gain	0 to 5100 amps/volt
Input Impedance	40 k Ohms
Typical Input Drift	10 µV/°C
Bandwidth	2 kHz with 1.2 mH Inductance
Dead Band	Zero

### Input Power Requirements

Input Voltage	20 - 80 VDC
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### Adjustments

Peak Current Limit	0 to 15 amps
RMS Current Limit	0 to 10 amps
Signal Command Input	Scaling
Balance	Zero velocity offset
Compensation	System response
Tachometer	Scaling

### Diagnostics

Bus Over Voltage	Red LED
Excessive RMS/Over Temp.	Red LED
Surge/Ground Fault	Red LED
Amplifier Operational	Green LED

### Physical Characteristics

Module Dimensions (l x w x h)	5.4 in. x 1.0 in. x 3.2 in.
Weight	0.7 lbs
Ambient Temperature	0 °C to 50 °C
Shutdown Temperature	80 °C at heat sink
Relative Humidity	5 - 95% non-condensing