



1525-BLS

BRUSHLESS SERVOMOTOR DRIVE

Performance Characteristics

Peak Power	3.75 kW
Peak Output Voltage	± 150 VDC (shut off @ 205 VDC)
Peak Output Current	± 25 amps (1 sec.)
Max. Continuous Current	± 15 amps (50 °C), ± 19 amps (25 °C)
Internal Shunt Regulator	55 W continuous, 2.4 kW peak for 0.02 seconds (activates at 190 VDC)

Electrical Characteristics

Input Signal Voltage	± 10 VDC (typ.), ± 35 VDC (max.)
System Gain	0 to 5100 amps/volt – velocity mode
Input Impedance	0 to 10.0 amps/volt – torque mode
Typical Input Drift	40 k Ohms
Bandwidth	10 µV/°C
Dead Band	3 kHz with 2.4 mH Inductance
	Zero

Input Power Requirements

Input Voltage	45-120 VAC
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Adjustments

Peak Current Limit	0 to 25 amps
RMS Current Limit	0 to 19 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)	7.6 in. x 2.5 in. x 5.2 in.
Weight	2.6 lbs
Ambient Temperature	0 °C to 50 °C
Shutdown Temperature	80 °C at heat sink
Relative Humidity	5 - 95% non-condensing