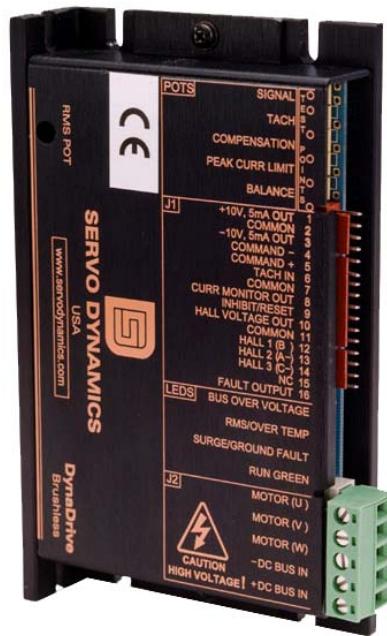




# 1224-BL

## BRUSHLESS SERVOMOTOR AMPLIFIER



### Performance Characteristics

Peak Power  
Peak Output Voltage  
Peak Output Current  
Max. Continuous Current

7.2 kW  
± 300 VDC (shut off @ 450 VDC)  
± 24 amps (1 sec.)  
± 12 amps (50 °C)

### Electrical Characteristics

Input Signal Voltage  
System Gain  
  
Input Impedance  
Typical Input Drift  
Bandwidth  
Dead Band

± 10 VDC (typ.), ± 35 VDC (max.)  
0 to 5100 amps/volt – velocity mode  
0 to 10.0 amps/volt – torque mode  
40 k Ohms  
10 µV/°C  
2 kHz with 2.4 mH Inductance  
Zero

### Input Power Requirements

Input Voltage

70 - 360 VDC

### Adjustments

Peak Current Limit  
RMS Current Limit  
Signal Command Input  
Balance  
Compensation  
Tachometer

0 to 24 amps  
0 to 12 amps  
Scaling  
Zero velocity offset  
System response  
Scaling

### Diagnostics

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

Red LED  
Red LED  
Red LED  
Green LED

### Physical Characteristics

Module Dimensions (l x w x h)  
Weight  
Ambient Temperature  
Shutdown Temperature  
Relative Humidity

7.6 in. x 1.3 in. x 5.4 in.  
1.8 lbs  
0 °C to 50 °C  
80 °C at heat sink  
5 - 95% non-condensing