



SA-08060 Servo Amplifier Technical Specifications

Supply Voltage	11 to 60VDC
Output Current	
Peak current	± 12A at 60V
Continuous current	± 8A at 60V
Minimum Load Inductance	200µH
PWM Switching Frequency	25KHz
Analog Input	Differential, ±10V (±20V max), 20K between inputs
Commutation	60/120 degree with automatic detection
Commutation Inputs	HI: ≥ 2.6V, LO: ≤ 1.6V, Pull up to +5V = 5.1K
Tachometer Input	±3V to ±50VDC
Logic Input	HI: ≥ 2.5V, LO: ≤ 1.0V
AMP enable	LO enables amplifier
Positive enable	LO enables positive direction rotation, HI inhibits
Negative enable	LO enables negative direction rotation, HI inhibits
Protection	
Output short (output to output, output to ground, output to +HV)	Shutdown when output is shorted with self resume
Power supply voltage too low (under voltage)	Shutdown at +HV < 11VDC with self resume
Power supply voltage too high (over voltage)	Shutdown at +HV > 80VDC with self resume
Over temperature	Shutdown at 75 °C internal temperature with self resume
FIRE SAFETY – internal fuse	10A Quick blow
Thermal Requirements	
Storage temperature range	-30 to +85 °C
Operating temperature range	0 to 75 °C
Mechanical	
Size	5.00 x 3.30 x 0.85 in. (127 x 84 x 22.2 mm)
Weight	0.5 lb. (0.23 kg)

Outline Dimensions

