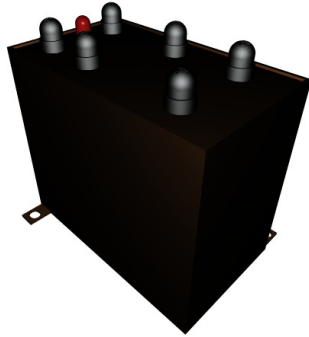


80W 60Amp Series

High Power / Current



PRODUCT DESCRIPTIONS

This high power carry current series provides ultra power capability to instrumentation, high power device test and general purpose requirements, such as solar battery system control.

This product line offers carry current/pulse 25A, 50A and 60A parallel.

- Carry Current up to 500A
- Long Reliability 10^{10} cycle
- Low coil drive available

SPECIFICATIONS

80W 60Amp Series		80W-12A□□E0			High Power / Current
Parameters	Units	2 Form A			Test Conditions
Coil Specifications					
Nominal Coil Voltage	VDC	5.0	12.0	24.0	±10% @ 20°C 15°C to 35°C 15°C to 35°C
Coil Resistance	Ω	10	50	200	
Operate Voltage	VDC Max	4.0	9.6	19.2	
Release Voltage	VDC Min	0.7	1.2	2.4	
Contact Ratings					
Switching Voltage	Volts	500			Max DC/Peak AC resistance
Switching Current	Amps	2.0			Max DC/Peak AC resistance
Carry Current	Amps	25			Max DC/Peak AC resistance
Carry Current (Pulse)	Amps	60			Max DC/Peak AC resistance
		(60A+60A=120A)			@on:10mS off:40mS
Contact Rating	Watts	100			Max DC/Peak AC Resist
Life Expectancy	x10 ⁶ Cycle	10000			@ 1V 10mh
Contact Resistance	mΩ	15			Max initial @ operate voltage
Contact Resistance Stability	mΩ	2.0			Max initial @ operate voltage
Relay Specifications					
Insulation Resistance	Ω Min	10 ¹⁰			Between all isolated pins @ 100V 20°C 40%RH
Dielectric Strength	VDC Min	3000			Between contacts
	VDC Min	3000*			Contacts to shield
	VDC Min	3000*			Contacts/Shield to coil
Operate Time (No Bounce)	msec Max	3.0			@ nominal coil voltage 100Hz square wave
Release Time	msec Max	3.0			Diode suppression
Environmental Ratings					
Measurement Reference Conditions		Storage temp: -20°C to +80°C			
Temp: 15°C to 35°C		Operate temp: -10°C to +60°C			
Humidity: 25% to 75%RH		Vibration: 20G's to 2000Hz			
Atmospheric Pressure: 860 to 1060hpa		Shock: 50G's			

Ordering Code:

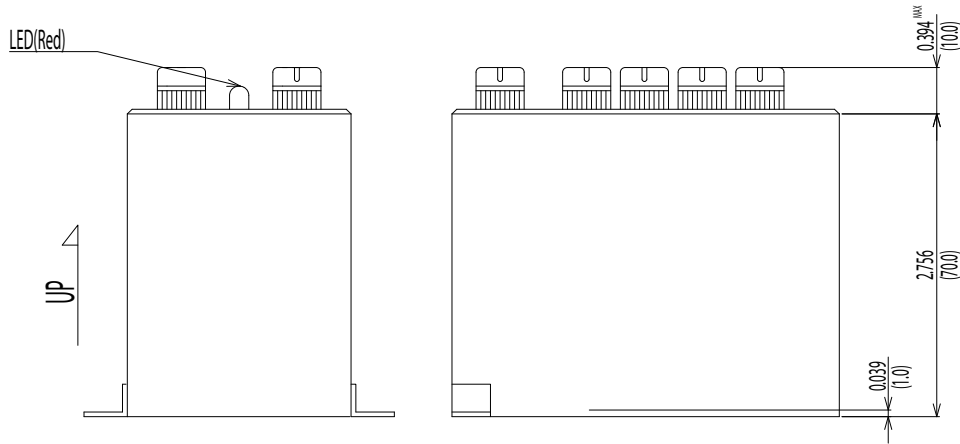
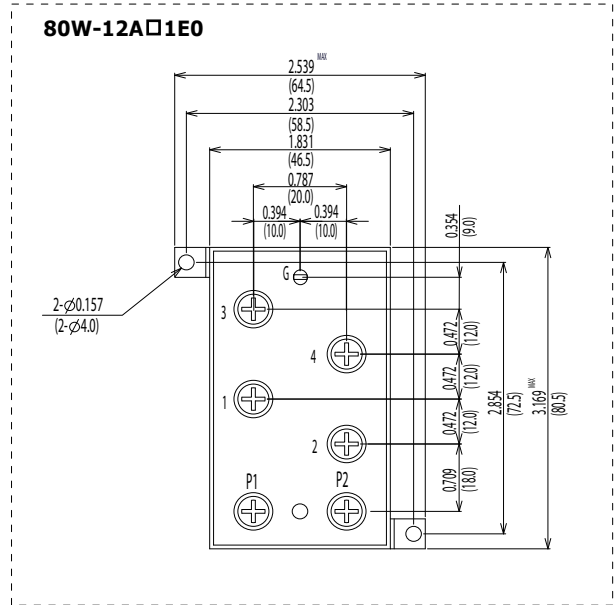
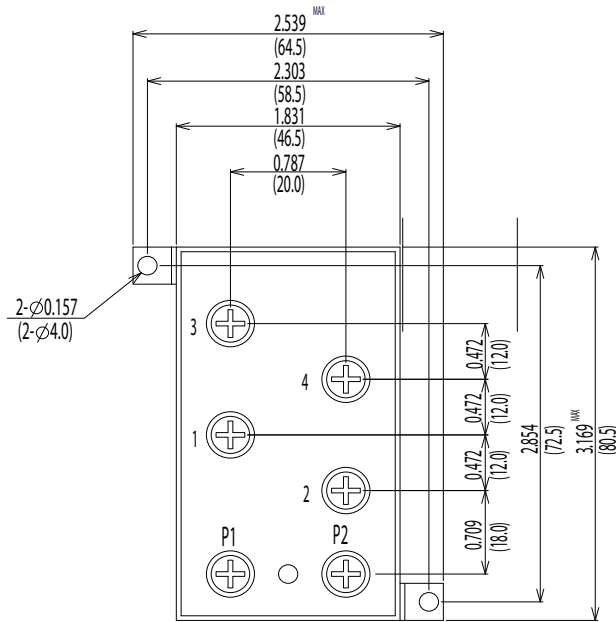
80W-12A□₁□₂E0

□₁=1 (5.0VDC), 2 (12.0VDC), 3 (24.0VDC)

□₂=0 (No shield), 1 (Electrostatic)*

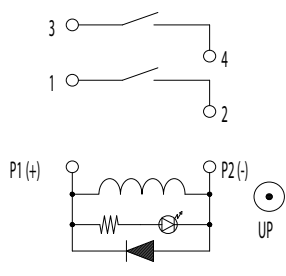
Dimensions All Dimensions are inches (mm)

80W-12A□0E0

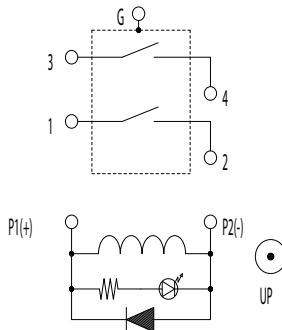


Schematic <Top View>

80W-12A□0E0



80W-12A□1E0



Note: Hg wet contacts must be mounted within 30° of vertical plane.