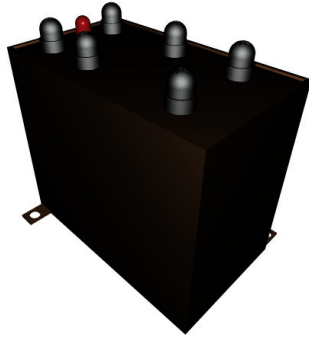


80W 60Amp Series



PRODUCT DESCRIPTIONS

The 80W 60Amp 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			
Parameters	Units	Form A			Test Conditions
Coil Specifications					
Nominal Coil Voltage	VDC	5.0	12.0	24.0	
Coil Resistance	Ω	10	50	200	$\pm 10\%$ @ 20°C
Operate Voltage	VDC Max	4.0	9.6	19.2	15°C to 35°C
Release Voltage	VDC Min	0.7	1.2	2.4	15°C to 35°C
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 resistance
Life Expectancy	$\times 10^6$ Cycle	10000			@ 1V 10mA
Contact Resistance	m Ω	15			Max initial @ operate voltage
Contact Resistance Stability	m Ω	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 coil
	VDC Min	3000*			Contacts/Shield to coil
Operate Time (No Bounce)	msec Max	3.0			@ nominal coil voltage
Release Time	msec Max	3.0			100Hz square wave Diode suppression
Measurement Reference Conditions			Environmental Ratings		
Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa			Storage temp: -20°C to +80°C Operate temp: -10°C to +60°C Vibration: 20G's to 2000Hz Shock: 50G's		

Ordering Code:

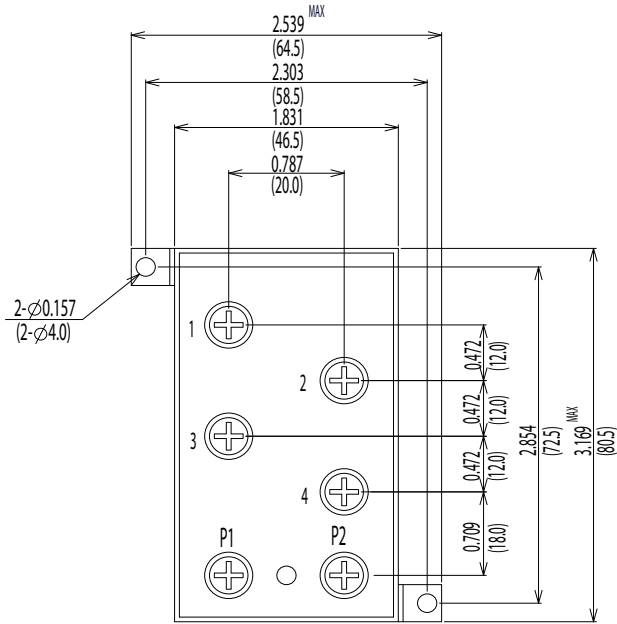
80W-12A□1) □2)E0

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

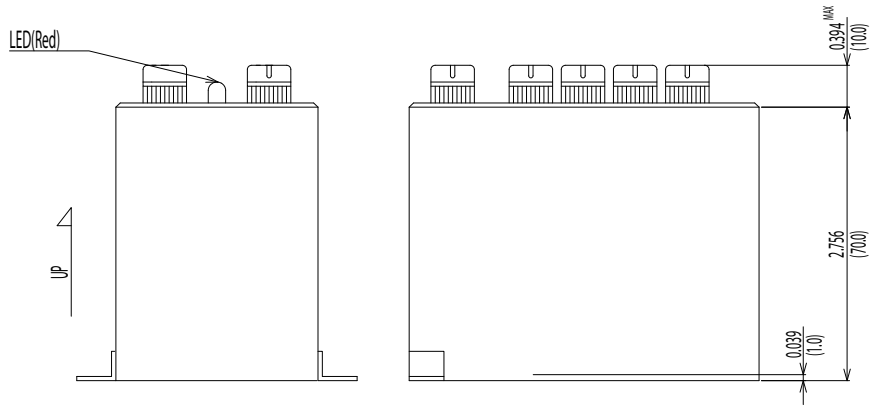
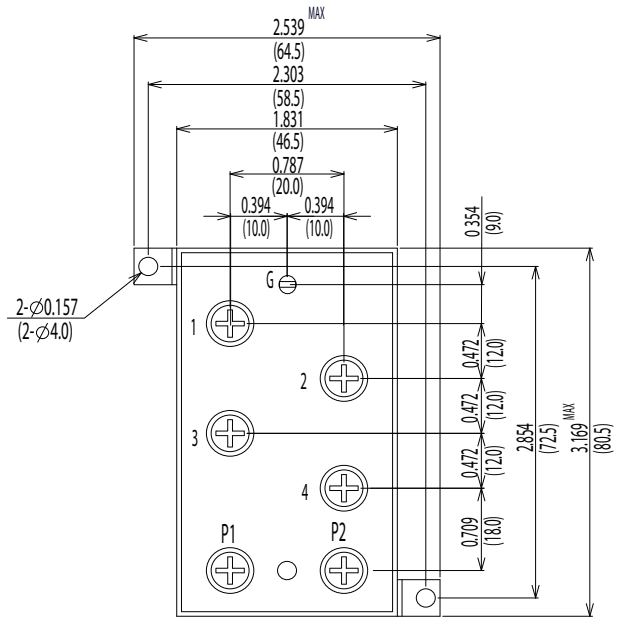
□2)=0(No shield), 1(Electrostatic)*

Dimensions All Dimensions are inches (mm)

80W-12A□0E0

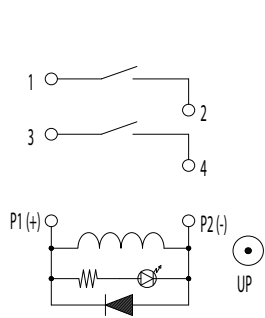


80W-12A□1E0

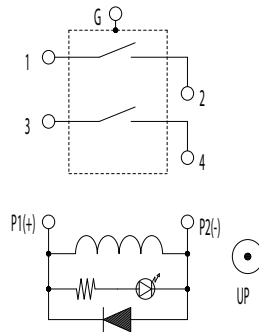


Schematic <Top View>

80W-12A□0E0



80W-12A□1E0



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