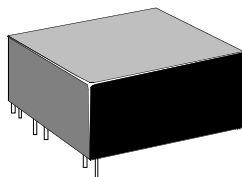


W60HE1S



W60HE2S

CLASS 60

BIFURCATED CROSS BAR CONTACTS

LOW LEVEL SWITCHING TO 2 AMPS

SPDT,DPDT CONTACTS

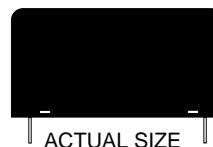
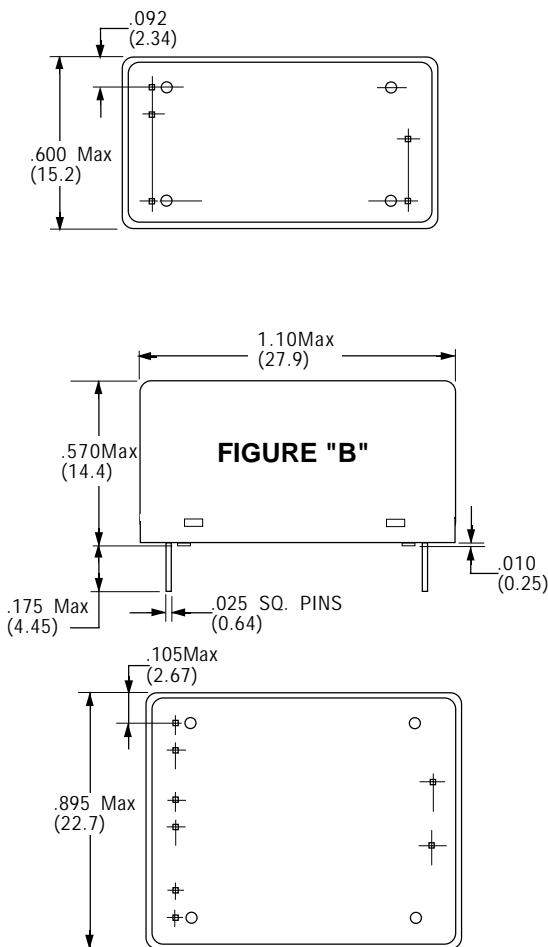
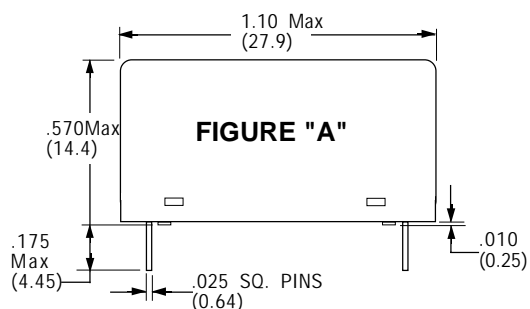


Recognized Component mark for
Canada and the United States.

The Class 60 Miniature high reliability industrial grade relay has excellent RF switching characteristics.

OUTLINE DIMENSIONS

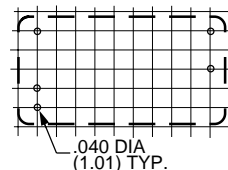
DIMENSIONS SHOWN IN "INCHES" AND (MILLIMETERS)



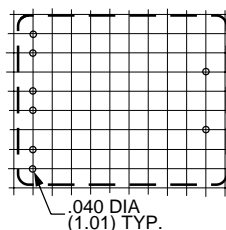
ACTUAL SIZE

TOP VIEW SHOWN AT
ACTUAL SIZE ON A 0.1 GRID

W60HE1S



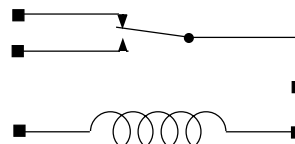
W60HE2S



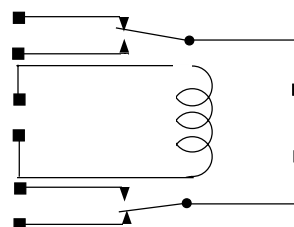
CIRCUIT DIAGRAMS

BOTTOM VIEW

SPDT



DPDT



SPECIFICATIONS CLASS 60

COIL

Pull-in Voltage: 80% of Nominal Voltage or less
 Dropout Voltage: 10% of nominal voltage or more
 Max. allowed voltage: 120% of nominal voltage, duty cycle 100%
 Nominal power: 327mW max. min. sensitivity: 200 mW
 Max. coil dissipation: 0.75 Watt
 Coil Resistance: $\pm 10\%$ Measured @ 25°C

CONTACTS

Contact Material: Gold Clad Silver Palladium.
 Contact Resistance: Initial 50 Milliohms @ 6VDC, 10mA
 100 Milliohms max., After life: 200 mΩ
 Contact Rating: Low Level: 50uA- 50mV,
 SPDT: 2A-24VDC, 2A-120VAC,
 DPDT: 2A-24VDC, 0.6A-100VAC,

TIMING

Operate Time: 4.0 mS Max. @ Nominal Voltage.
 Release Time: 10.0 mS Max. @ Nominal Voltage.
 Contact bounce: 2.5 mS operate, 5.0 mS release

DIELECTRIC STRENGTH

All Mutually Insulated Points: 500 VAC for 1 Minute, 1 Milliamp max.
 leakage, or 600VAC for 1 Second,
 1 Milliamp leakage.
 Surge Test: Meets FCC 68.302 (1500V Surge)
 and 68.304 (1000V Dielectric).
 Insulation Resistance: 500 VDC Exceeds 1000 Megohms.

TEMPERATURE

Operating: -35°C to +70°C

VIBRATION RESISTANCE

Functional: 15g's, 10 to 2000Hz, (No contact opening
 greater than 10μS)

SHOCK RESISTANCE

Functional: 50g's, 6mS Max.
 Mechanical: Contact Chatter Destructive 50g's.

LIFE

Electrical (Rated Load): 100,000 Operations Rated Load.
 Mechanical (No Load): 100 Million Operations

MISCELLANEOUS

Terminal Finish: Terminals are solder Coated to provide
 excellent solderability.
 Max. exposure to soldering temperature is
 5 seconds @ 250°C.
 Operating Position: Any
 Enclosure: Plastic.
 Weight: SPDT-5.5 g's, DPDT- 9 g's approx.

PART NUMBERS	Contact Configu- ration	COIL Measured @ 25°C			CROSS REFERENCE TO POTTER & BRUMFIELD
		Nominal Input Voltage	Resis- tance (Ohms)	Pull-in Power (mW)	
FIGURE "A"					
W60HE1S-5DC	SPDT	5VDC	75	200	R50E2Y1-5V
W60HE1S-12DC	SPDT	12VDC	440	200	R50E2Y1-12V
W60HE1S-24DC	SPDT	24VDC	1550	200	R50E2Y1-24V
W60HE1S-48DC	SPDT	48VDC	5250	200	R50E2Y1-48V
FIGURE "B"					
W60HE2S-5DC	DPDT	5VDC	75	200	R50E2Y2-5V
W60HE2S-12DC	DPDT	12VDC	440	200	R50E2Y2-12V
W60HE2S-24DC	DPDT	24VDC	1550	200	R50E2Y2-24V
W60HE2S-48DC	DPDT	48VDC	5250	200	R50E2Y2-48V

PART NUMBERS SHOWN ALSO AVAILABLE THRU STOCKING DISTRIBUTION.