

EPOXY SEALED PC BOARD MOUNTABLE ON 0.100 GRID

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

CLASS 60
BIFURCATED CROSS BAR CONTACTS
LOW LEVEL TO 2 AMPS
SPDT, DPDT CONTACTS

CLASS
60

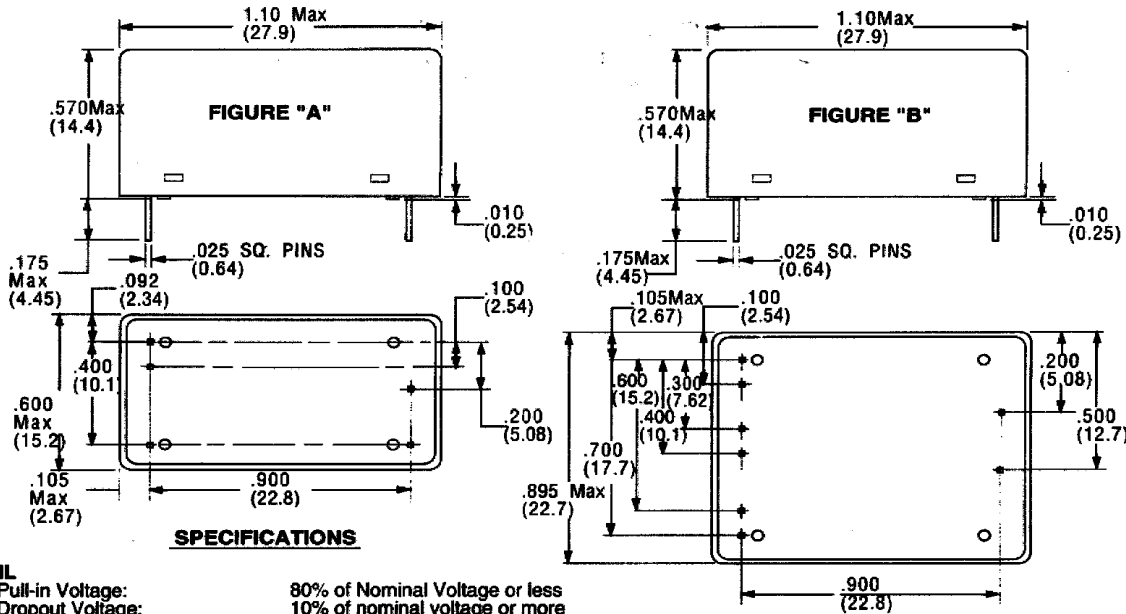


W60HE1S



W60HE2S

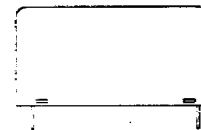
OUTLINE DIMENSIONS
 DIMENSIONS SHOWN IN "INCHES" AND (MILLIMETERS)



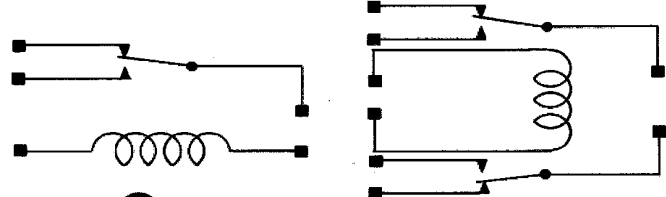
SPECIFICATIONS

- 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: ±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: 50uA- 50mV, 2A-24VDC, 1A-100VAC,
 Max. voltage: 150VDC, max. power switched
 60 Watts or 120 VA
- 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 > 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 & epoxy free to provide excellent solderability.
 Max. exposure to soldering temperature is 5 seconds @ 250°C.
 Enclosure: PBC Plastic, Epoxy sealed for Automatic Circuit Board Processing.
 Weight: SPDT-5.5 g's, DPDT- 9 g's approx.

ACTUAL SIZE



CIRCUIT DIAGRAMS
 BOTTOM VIEW



Magnecraft PART NUMBERS	Contact Configuration	COIL Measured @ 25°C		
		Nominal Input Voltage	Resistance (Ohms)	Pull-in Power (mW)
FIGURE "A"				
W60HE1S-5DC	SPDT	5VDC	75	200
W60HE1S-12DC	SPDT	12VDC	440	200
W60HE1S-24DC	SPDT	24VDC	1550	200
W60HE1S-48DC	SPDT	48VDC	5250	200
FIGURE "B"				
W60HE2S-5DC	DPDT	5VDC	75	200
W60HE2S-12DC	DPDT	12VDC	440	200
W60HE2S-24DC	DPDT	24VDC	1550	200
W60HE2S-48DC	DPDT	48VDC	5250	200