

R.F. PERFORMANCE TABLE

UL
US
UL Recognized
File No. E52197

FREQUENCY	INSERTION LOSS (DB)	VSWR	ISOLATION (DB)
(MHZ)	COMMON TO N.O. OR N.C. CONTACTS	COMMON TO N.O. OR N.C. CONTACTS	N.O. OR N.C. CONTACTS TO COIL
10	0.05	1.03:1	65
50	0.10	1.04:1	50
100	0.30	1.05:1	42
200	0.50	1.06:1	35
300	0.60	1.07:1	31
400	0.65	1.08:1	29
500	0.75	1.10:1	28

- * AVAILABLE WITH SPDT OR DPDT BIFURCATED GOLD CLAD SILVER-PALLADIUM CROSS BAR CONTACTS- RATED FOR LOW LEVEL TO 2.0 AMP SWITCHING.
- * REQUIRES ONLY .155 SQUARE INCH OF CIRCUIT BOARD SPACE.
- * TOTAL VOLUME OF LESS THAN A CUBIC CENTIMETER.
- * CONFORMS TO FCC PART 68.302. 1500 V PEAK SURGE RESISTANCE.
- * CONFORMS TO FCC PART 68.304. 1000 V DIELECTRIC WITHSTANDING VOLTAGE.

GENERAL SPECIFICATIONS (@ 25°C)



	UNITS	
COIL		
Pull-in Voltage AC (50/60 Hz):≤	% of nominal	Not applicable
Pull-in Voltage DC:≤	% of nominal	80
Dropout Voltage AC (50/60 Hz):≥	% of nominal	Not applicable
Dropout Voltage DC:≥	% of nominal	10
Maximum Voltage:	% of nominal	120
Resistance:	% ±	10
Coil Power AC (60 Hz):	VA	Not applicable
Coil Power DC:	W	0.33
Maximum Coil Dissipation, DC:		0.75 Watt (DC)
CONTACTS		
Contact Material:		Gold clad silver
Contact Rating AC Amperes (AC1):	A	STST 2, DPDT 0.6
Contact Rating AC Voltage:	V	STST 120, DPDT 100
Contact Rating DC Amperes (DC1):	A	2
Contact Rating DC Voltage:	V	24
TIMING		
Operate Time:	ms	4
Release Time:	ms	5
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	500
Across Open Contacts:	V rms	500
Pole to Pole:	V rms	500
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @VDC	1000 @ 500

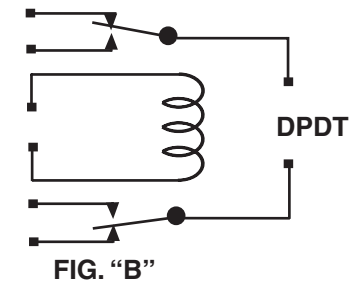
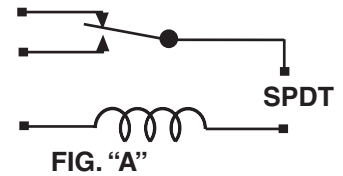
	UNITS	
VIBRATION RESISTANCE		
Functional:	g's	15
SHOCK RESISTANCE		
Functional:	g's	50
TEMPERATURE		
Operating, AC Lower:	°C	Not applicable
Operating, AC Upper:	°C	Not applicable
Operating, DC Lower:	°C	-35
Operating, DC Upper:	°C	+70
Storage, Lower:	°C	-35
Storage, Upper:	°C	+105
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	100,000,000
MISCELLANEOUS		
Operating Position:		Any
Enclosure Material:		UL 94v-0 plastic epoxy seal
Cover Protection Category:	IP	67
Weight:	grams	SPDT: 2.5, DPDT: 9

60 PRINTED CIRCUIT BOARD MINIATURE RELAY

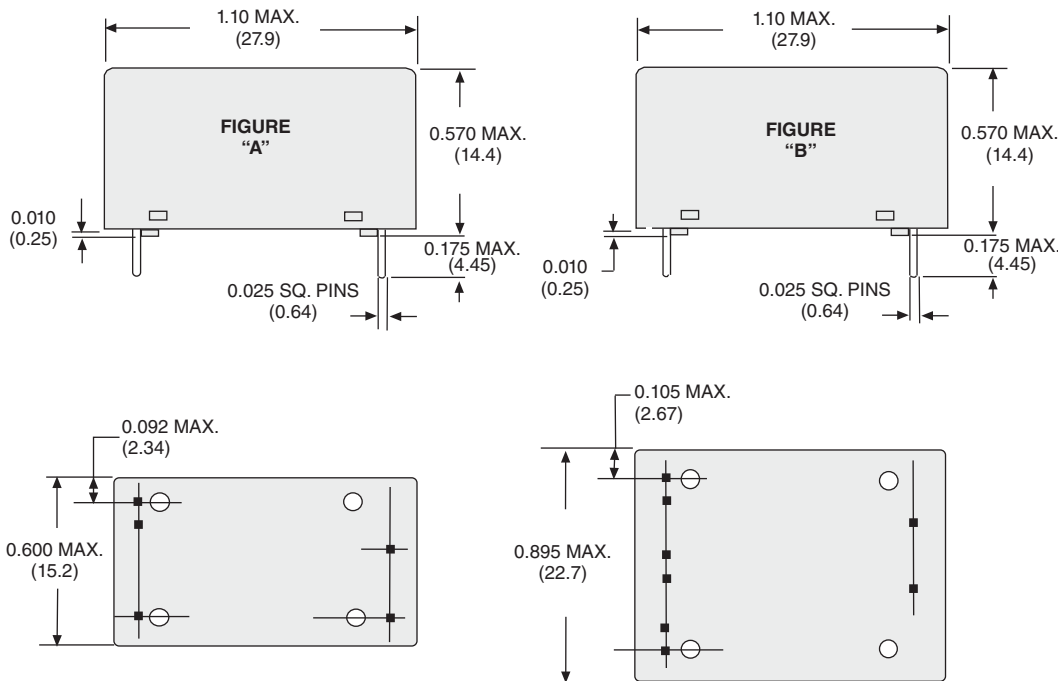


SPST & DPDT 2 MPS

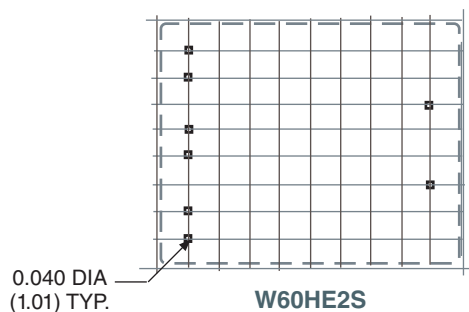
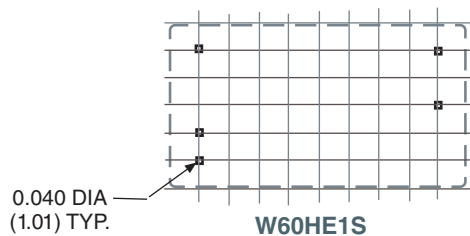
WIRING DIAGRAM (TOP VIEWED)



OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



PRINTED CIRCUIT MOUNTING HOLE LAYOUT (TOP VIEW SHOWN AT ACTUAL SIZE ON 0.1 GRID)



STANDARD PART NUMBERS	CONTACT CONFIGU- RATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
FIG. "A"; 2 AMP			
W60HE1S-5DC	SPDT	5 VDC	75 Ω
W60HE1S-12DC	SPDT	12 VDC	440 Ω
W60HE1S-24DC	SPDT	24 VDC	1550 Ω
W60HE1S-48DC	SPDT	48 VDC	5250 Ω
FIG. "B"; 2 AMP			
W60HE2S-5DC	DPDT	5 VDC	75 Ω
W60HE2S-12DC	DPDT	12 VDC	440 Ω
W60HE2S-24DC	DPDT	24 VDC	1550 Ω
W60HE2S-48DC	DPDT	48 VDC	5250 Ω