

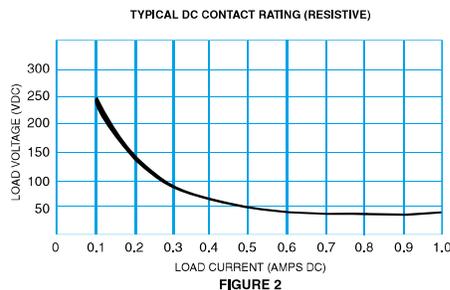
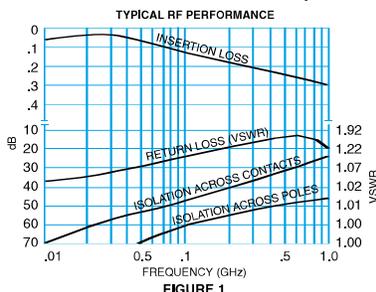
SERIES S172
GENERAL ELECTRICAL SPECIFICATIONS (-55 °C to 85 °C unless otherwise noted. See notes 2 & 3.)

Contact Arrangement	2 Form C (DPDT)	
Rated Duty	Continuous	
Contact Resistance	0.15 Ω max.	
Contact Load Rating	Resistive: 1 A / 28 Vdc Inductive: 200 mA / 28 Vdc (320mH) Lamp: 100 mA / 28 Vdc (320mH) Low level: 10 to 50 μA @ 10 to 50 mV	
Contact Life Ratings	5,000,000 cycles (typical) at low level 500,000 cycles (typical) at 0.5 A / 28 Vdc resistive 100,000 cycles min. at all other loads specified above	
Contact Overload Rating	2 A / 28 Vdc Resistive (100 cycles min.)	
Contact Carry Rating	Contact Factory	
Operate Time	6.0 msec max. at nominal rated coil voltage	
Release Time	S172: 3.0 ms max.	S172D: 6.0 ms max.
Contact Bounce	1.5 msec max.	
Intercontact Capacitance	0.4 pf typical	
Insulation Resistance	1,000 MΩ min. between mutually isolated terminals	
Dielectric Strength	300 Vrms (60 Hz) @ atmospheric pressure	
Negative Coil Transient (Vdc)	2.0 Vdc Max.	
Diode P.I.V. (Vdc)	60 Vdc Min.	

DETAILED ELECTRICAL SPECIFICATIONS (-55 °C to 85 °C unless otherwise noted. See note 2.)

BASE PART NUMBERS (S172, S172D)		S172-5 S172D-5	S172-12 S172D-12	S172-26 S172D-26
Coil Voltage	Nom.	5.0	12.0	26.5
	Max.	5.8	16.0	32.0
Coil Resistance (Ohms ±25%)		64	400	1600
Pick-up Voltage (Vdc, Max.) Pulse Operation		3.8	9.0	18.0
Coil Operating Power at Nominal Voltage (mW)		405	360	440

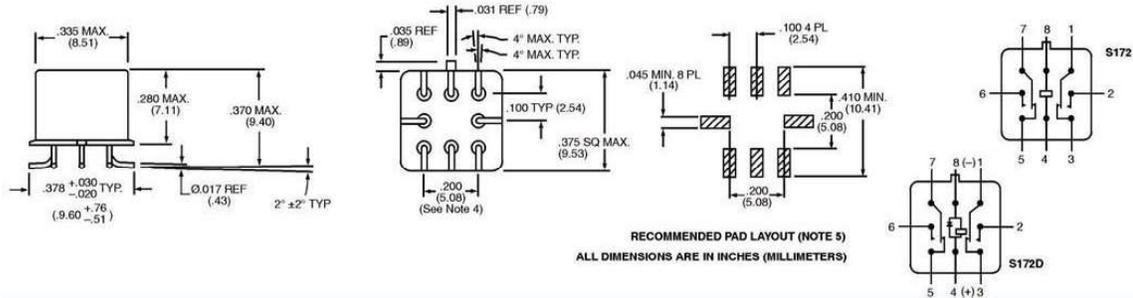
PERFORMANCE CURVES (Note 2)



GENERAL NOTES

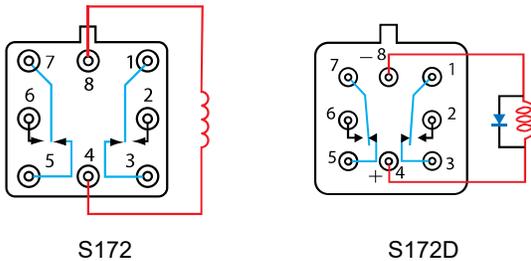
1. Relay contacts will exhibit no chatter in excess of 10 μsec or transfer in excess of 1 μsec.
2. "Typical" characteristics are based on available data and are best estimates. No on-going verification tests are performed.
3. Unless otherwise specified, parameters are initial values.
4. Relays can be supplied with a spacer pad. See appendix.

**SERIES S172
OUTLINE DIMENSIONS**



(Viewed From Terminals)

SCHEMATIC DIAGRAMS



NOTES:

1. DIMENSIONS ARE IN INCHES, METRIC EQUIVALENTS SHOWN IN [].
2. POSITIONS 5 AND 10 ARE FOR UNINSULATED CASE GROUND OPTIONS.
3. NO PROTRUSION BELOW BOTTOM OF HEADER WHEN GROUND PINS ARE INSTALLED
4. TO ORDER THE CASE GROUND OPTION, AFTER THE SERIES DESIGNATOR, ADD "Y" TO THE PART NUMBER FOR POSITION 5 OR "Z" TO THE PART NUMBER FOR POSITION 10.
5. UNLESS OTHERWISE SPECIFIED, TOLERANCES ON DIMENSIONS ARE ± .010 INCH (0.025 MM)

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[1419130-3](#) [7-1608047-2](#)