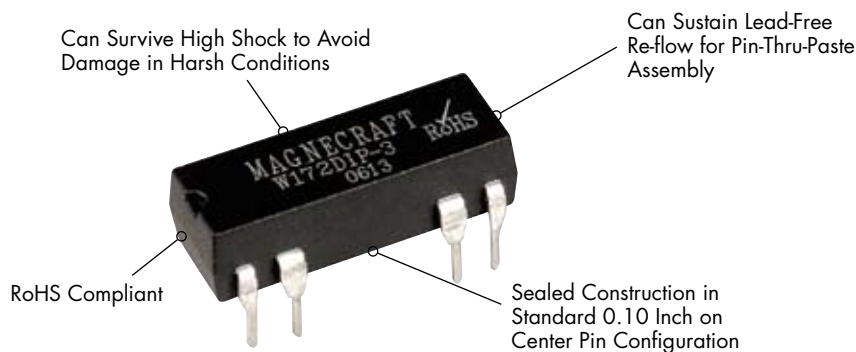


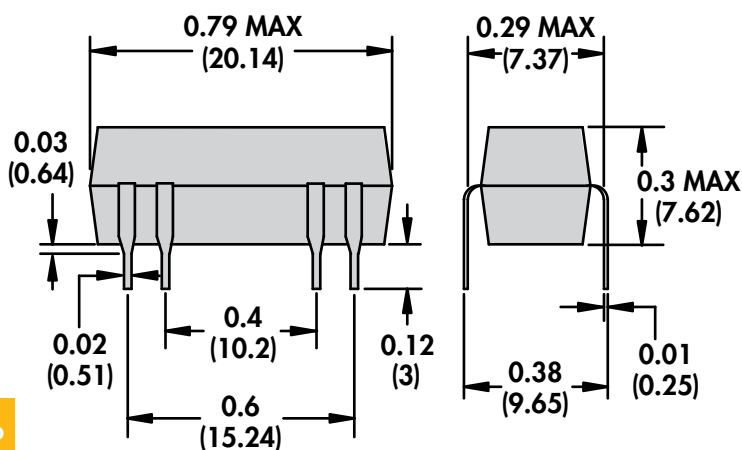
172DIP PCB Mount Miniature Reed Relay/SPDT and DPDT 0.25 Amp Rated



General Specifications

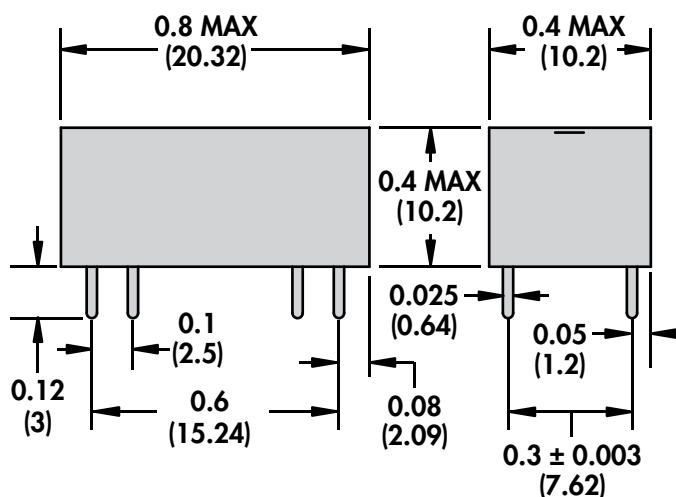
Contact Characteristics		Units	172DIP SPDT	172DIP DPDT
Number and type of Contacts			Rhodium	Rhodium
Contact materials				
Current rating		A	0.25	0.25
Switching voltage		V	60	60
		V	100	100
Minimum Switching Requirement		mA	10	10
Minimum				
Coil Characteristics				
Voltage Range		V	5...24	5...24
Operating Range		% of Nominal	80% to 110%	80% to 110%
Average consumption		W	0.29	0.29
Drop-out voltage threshold			10%	10%
Performance Characteristics				
Electrical Life		Operations @ Rated Current (Resistive)	50,000,000	50,000,000
Mechanical Life		Unpowered	100,000,000	100,000,000
Operating time (response time)		ms	1	1
Rated insulation voltage		Between coil and contact	1000	1000
Dielectric strength		Between poles	1000	1000
rms voltage		Between contacts	200	200
Environment				
Ambient air temperature		Storage	°C	-40...+85
around the device		Operation	°C	-40...+55
Vibration resistance		Operational	g-n	20, 10-200 Hz
Shock resistance			g-n	50
Weight			grams	1

172DIP SPDT



WHEN SPACING DIP RELAYS, THE RELAYS
REQUIRE 1/2 INCH SPACING FROM THE
SIDE OF THE ADJACENT RELAYS

172DIP DPDT



DRAWINGS AND PIN SPACING ENLARGED TO 200% OF ACTUAL SIZE



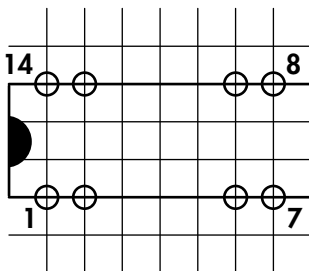
Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

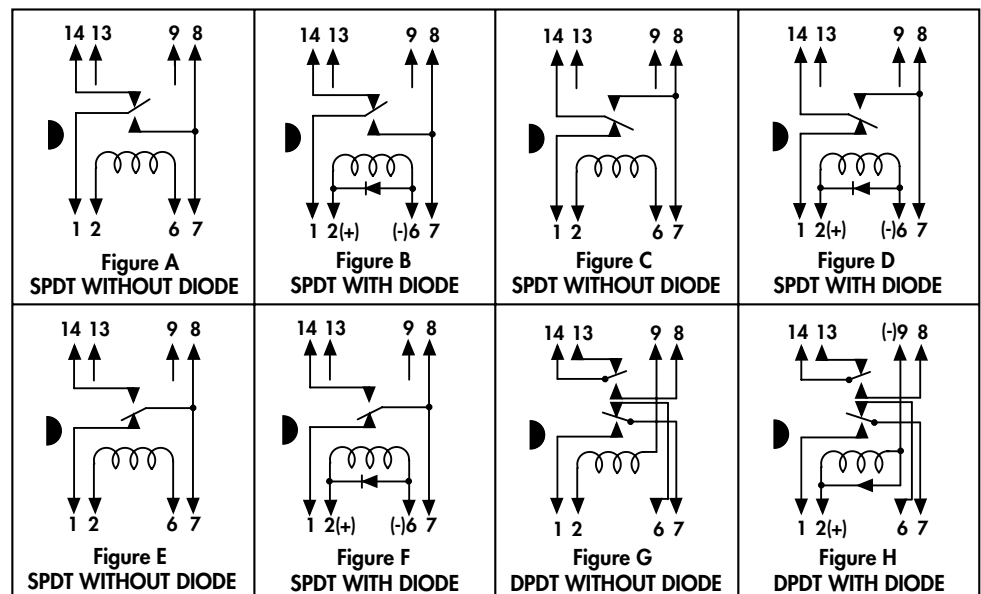
Nominal Input Voltage	Nominal Coil Resistance (Ω)	Part Number	Contact Configuration	Figure
5 VDC	200 Ω	W172DIP-1	SPDT	A
12 VDC	1000 Ω	W172DIP-3	SPDT	A
24 VDC	2200 Ω	W172DIP-4	SPDT	A
5 VDC	200 Ω	W172DIP-5	SPDT w/ Clamping Diode	B
12 VDC	1000 Ω	W172DIP-7	SPDT w/ Clamping Diode	B
24 VDC	2200 Ω	W172DIP-8	SPDT w/ Clamping Diode	B
5 VDC	200 Ω	W172DIP-31	SPDT	C
12 VDC	1000 Ω	W172DIP-33	SPDT	C
24 VDC	2200 Ω	W172DIP-34	SPDT	C
5 VDC	200 Ω	W172DIP-35	SPDT w/ Clamping Diode	D
12 VDC	1000 Ω	W172DIP-37	SPDT w/ Clamping Diode	D
24 VDC	2200 Ω	W172DIP-38	SPDT w/ Clamping Diode	D
5 VDC	200 Ω	W172DIP-141	SPDT	E
12 VDC	1000 Ω	W172DIP-145	SPDT	E
24 VDC	3200 Ω	W172DIP-146	SPDT	E
5 VDC	200 Ω	W172DIP-147	SPDT w/ Clamping Diode	F
12 VDC	1000 Ω	W172DIP-149	SPDT w/ Clamping Diode	F
24 VDC	3200 Ω	W172DIP-150	SPDT w/ Clamping Diode	F
5 VDC	46 Ω	W172DIP-17	DPDT	G
12 VDC	266 Ω	W172DIP-19	DPDT	G
24 VDC	1066 Ω	W172DIP-20	DPDT	G
5 VDC	46 Ω	W172DIP-21	DPDT w/ Clamping Diode	H
12 VDC	266 Ω	W172DIP-23	DPDT w/ Clamping Diode	H
24 VDC	1066 Ω	W172DIP-24	DPDT w/ Clamping Diode	H

WIRING DIAGRAMS TOP VIEW

CIRCUIT BOARD PIN SPACING
VIEWED FROM COMPONENT SIDE
(TOP VIEW)



0.1 IN GRID
(2.54) MM



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[172DIP-1](#) [172DIP-145](#) [172DIP-149](#) [172DIP-141](#) [172DIP-20](#)