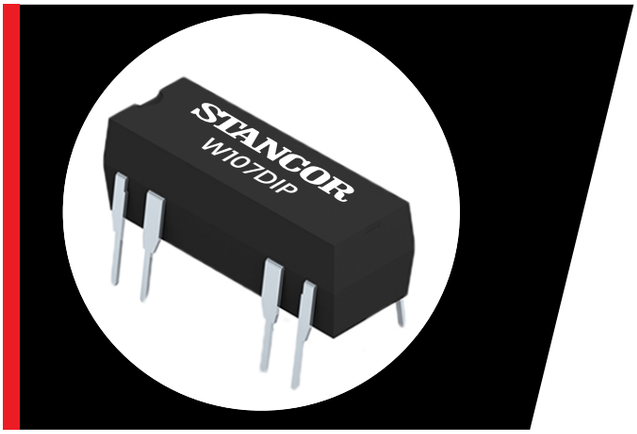
STANCOR® W107DIP Series Reed Relays



Description

The W107DIP series combines quality and economy in the industry standard 14-pin molded DIP package capable of switching 0.5 amps. This series will cross to all competitive DIP packages and is ideal for telecom, security and other general-purpose applications.

Features

- 14-pin dual-in-line packages with epoxy molding
- Can withstand immersion during board cleaning procedures
- Strong isolation between input and output
- Fast operation with low power consumption
- Diode Clamping option available
- RoHS Compliant

STANCOR Part Numbers	Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% [ohm]	Nominal Input Power	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max Allowable Voltage (VDC)	Contact Configuration	Wiring Diagram
W107DIP-1	5	500	50mW	3.75	0.6	10	SPST-NO without Diode	A
W107DIP-3	12	1000	144mW	9.00	1.0	20	SPST-NO without Diode	A
W107DIP-4	24	2150	268mW	18.00	2.0	32	SPST-NO without Diode	A
W107DIP-5	5	500	50mW	3.75	0.6	10	SPST-NO with Diode	B
W107DIP-7	12	1000	144mW	9.00	1.0	20	SPST-NO with Diode	B
W107DIP-8	24	2150	268mW	18.00	2.0	32	SPST-NO with Diode	B

• *Coil measured @ 20°C*

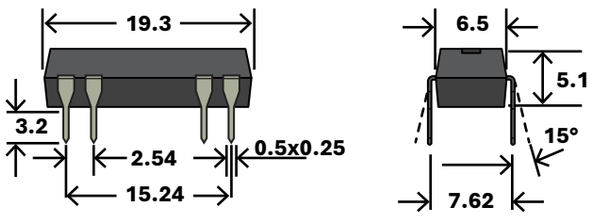
Contact Rating

Contact Form	1 FORM A
Max. Switching Power	10W
Max. Switching Voltage	100VDC or Peak AC
Max. Switching Current	0.5A
Max. Carry Current	1A

Specification

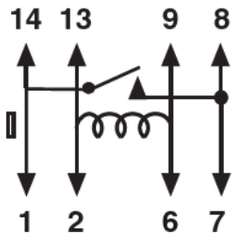
Contact Resistance	Max.150m ohm
Operate Time (Incl.bounce)	1.0ms
Release Time	0.5ms
Insulation Resistance	10^{9} ohm
Dielectric Strength	Between Open Contacts 200VDC Between Coil to Contacts 1500VDC
Capacitance (between open contacts)	0.5pF
Vibration	20G (10-2KHz)
Shock Resistance	30G (11ms, 1/2sin Wave)
Operating Temperature	-20°C ~+85°C
Life Expectancy of Electrical	5 X 10^{7} ops 10VDC, 10mA

Dimensions

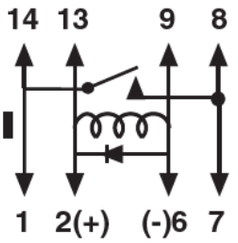


• *All dimensions in mm*

Wiring Diagram



SPST-NO without Diode
Figure A



SPST-NO with Diode
Figure B