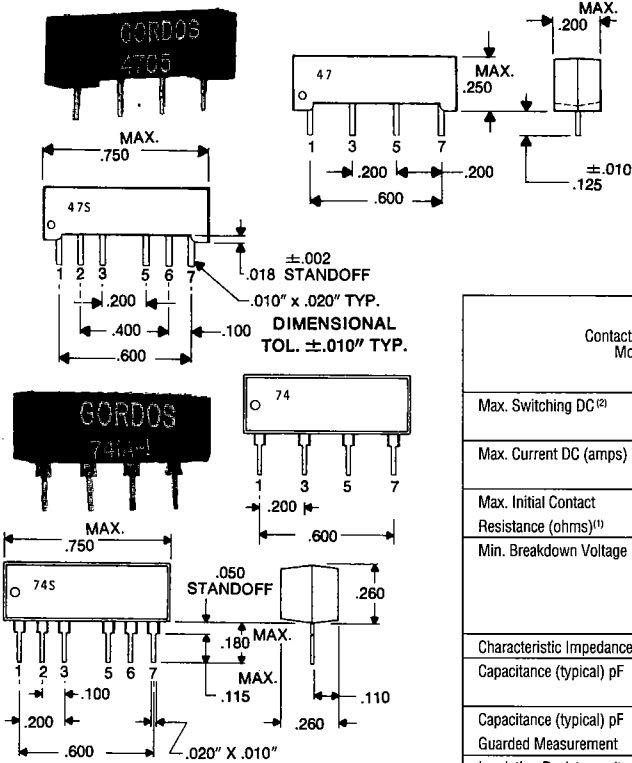


GORDOS

REED RELAYS

47 SERIES MINI-SIP DRY REED RELAY 74 SERIES SIP DRY REED RELAY



	Series 47/74	Series 47/74	Series 74
Nominal Coil Voltage DC	5	12	24
Must Operate Voltage DC	3.8	9.0	18.0
Must Release Voltage DC	0.5	1.2	2.4
Maximum Voltage DC (3)	10	20	35

FEATURES:

- These Gordos Relays are molded in semiconductor-grade molding compounds that meet Underwriters Laboratories 94V-0 flammability rating.
- RF Characteristics
 - Insertion Loss: 0.3 dB max from 1 to 500 MHz
 - Isolation: 30 dB min. from 1 to 600 MHz
 - Characteristic Impedance: 50, or 75 ohms
- Compatible with automatic insertion
- Logic Compatible

Contact Arrangement Model Type		1 Form-A	(3) 1 Form-B	1 Form-C	Coaxially Shielded 1 Form-A Versions for RF Switching		
		Std. Dry 47/741A	741B	741C	4705S 4712S 741AS	4705S 741A5	47057 741A7
Max. Switching DC ⁽²⁾	Watts	10	10	3	10	10	10
	Volts	200	200	30	200	200	200
Max. Current DC (amps)	Switch	0.5	0.5	0.2	0.5	0.5	0.5
	Carry	1.5	1.5	0.5	1.5	1.5	1.5
Max. Initial Contact Resistance (ohms) ⁽¹⁾	47	0.100	—	—	0.100	0.100	0.100
	74	0.200	0.200	250	0.200	0.200	0.200
Min. Breakdown Voltage DC	Across Contacts	250	250	200	250	250	250
	Contact to Shield	—	—	—	750	750	750
	Contact to Coil	750	750	750	750	750	750
	Shield to Coil	—	—	—	500	500	500
Characteristic Impedance (typical) Ohms		—	—	—	50	50	75
Capacitance (typical) pF	Across Contacts	1.0	—	2.0	0.6	0.6	0.6
	Contact to Coil	2.0	3.8	2.0	1.5	1.0	1.0
Capacitance (typical) pF Guarded Measurement	Across Contacts	—	—	—	0.1	0.1	0.1
	Contact to Coil	—	—	—	0.3	0.2	0.2
Insulation Resistance (typical) Ohms at 25° C 50% R.H.	47	10 ¹⁰	—	10	10 ¹⁰	10 ¹⁰	10 ¹⁰
	74	10 ¹⁰	10 ¹⁰	10 ⁸	10 ¹⁰	10 ¹⁰	10 ¹⁰
Operate Time (typical mSec) Including Bounce		0.5	0.5	1.0	0.5	0.5	0.5
Release Time (typical mSec) Diode Suppressed		0.3	0.5	1.5 includes Bounce on N.C. Pole	0.3	0.3	0.3

Operating temp range -20° C to 85° C Storage temp range -20° C to 100° C

REED RELAY SELECTION CHART SERIES 47 MINI-SIP

Shading denotes shortest lead time items.
SERIES 74 SIP

Nom. Coil Volt.	Coil Res. Ohms ±10%	Clamp Diode	Part Number	Contact Arrangement Schematic (Side View)	Nom. Coil Volt.	Coil Res. Ohms ±10%	Clamp Diode	Part Number	Contact Arrangement Schematic (Side View)	Nom. Coil Volt.	Coil Res. Ohms ±10%	Clamp Diode	Part Number	Contact Arrangement Schematic (Side View)
5	500	No	4705		5	380	No	741A-1 741A-2		5	200	No	741B-3 741B-4	
		Yes	4705D				No	741A-9 741A-10				Yes	741B-9 741B-10	
12	1200	No	4712	1 FORM-A SPST N.O.	12	1000	No	741A-3 741A-4	1 FORM-A SPST N.O.	12	500	No	741B-5 741B-6	1 FORM-B SPST N.C. (SEE NOTE: 3)
		Yes	4712D				No	741A-7 741A-8				Yes	741B-7 741B-8	
5	150	No	4705-5 4705-7	1 FORM-A SPST N.O. COAXIALLY SHIELDED	5	380	No	741A5-1 741A5-2 741A7-1 741A7-2	1 FORM-A SPST N.O. COAXIALLY SHIELDED	5	200	No	741C-1 741C-2	
		No	4705-S				No	741AS-9 741AS-10				Yes	741C-3 741C-4	
12	800	No	4712-S	1 FORM-A SPST N.O. COAXIALLY SHIELDED	12	1000	No	741AS-3 741AS-4	1 FORM-C SPDT	12	1750	No	741C-5 741C-6	

Notes: All specifications are based on a 25° C ambient temperature.

1. Measured with nominal coil voltage applied (except Form B).
2. Higher voltages and/or current may be switched with life expectancy reduced.
3. Excessive voltage (maximum of 6.5 VDC for 5 VDC model, 15 VDC for 12 VDC model, and 28 VDC for 24 model), may cause contact reclosure on Form B models.
4. Consult factory for magnetic shield requirements.

Products and specifications subject to change without notice.
Consult factory for application assistance.

1000 N. SECOND ST., ROGERS, AR 72756 USA / TEL: 800-643-3500 / 501-636-5000 / FAX: 501-636-2305