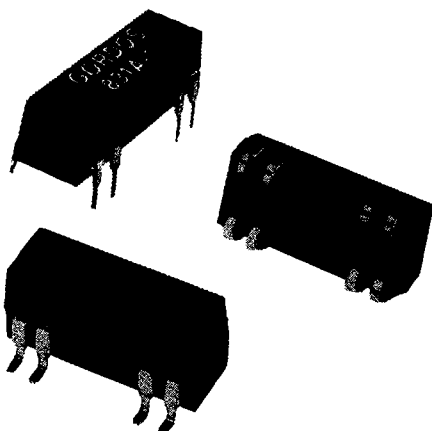


GORDOS

REED RELAYS

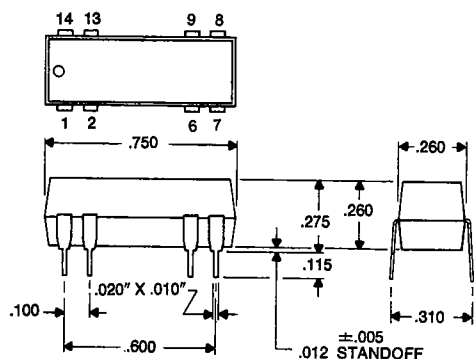
83 SERIES MOLDED DIP THRU-HOLE AND SURFACE MOUNT DRY REED RELAYS



FEATURES:

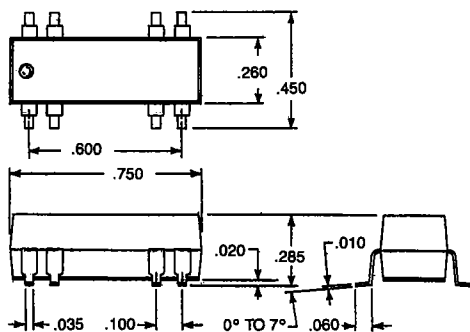
- Choice of Gull or J-Lead Surface Mount or Thru-hole Configuration
- Surface Mount Versions Pass High Reliability Steam Aging Solderability Test
- Surface Mount Versions Compatible with IR Reflow Systems
- 94V-O Flammability Rating
- Form A, 2A, B or C Contacts
- Logic Compatible 5, 12 or 24 Volt Operation
- Available with or without Diodes
- Compatible with Automatic Insertion
- Semiconductor Grade Molding Compounds
- -20° C to 85° C Operating,
-20° C to 100° C Storage Temperature Ranges

THRU-HOLE

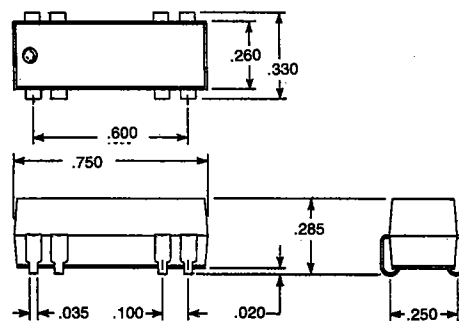


(DIMENSIONAL TOL. $\pm .010"$ TYP.)

THRU-HOLE



GULL LEAD



"J" LEAD

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

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GORDOS

REED RELAYS

83 SERIES MOLDED DIP THRU-HOLE AND SURFACE MOUNT DRY REED RELAYS

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

Contact Arrangement		1 Form-A		(3) Form-B	Form-C		
Model Type		831A	832A	831B	831C	835C	836C
Max. Switching DC ⁽²⁾	Watts	10		10		3	
	Volts	200		200		30	
Max. Current DC (amps)	Switch	0.5		0.5		0.2	
	Carry	1.5		1.5		0.5	
Max. Initial Contact Resistance (ohms) ⁽¹⁾		0.200		0.200		0.200	
Min. Breakdown Voltage DC	Across Contacts	250		250		200	
	Contact to Coil	750		750		750	
Capacitance (typical) pF	Across Contacts	1.0		—		1.5	
	Contact to Coil	2.0		3.8		2.0	
Insulation Resistance (typical ohms)		10 ¹⁰		10 ¹⁰		10 ⁸	
Operate Time (typical mSec) Including Bounce Except Form-B		0.5		0.5		1.0	
Release Time (typical mSec) Diode Suppressed		0.5		0.5		1.5 includes Bounce on N.C. Pole	

REED RELAY SELECTION CHART *Shading denotes shortest lead time items.*

SERIES 47 MINI-SIP

Contact Arrangement	Nominal Coil Voltage (VDC)	Coil Resistance (ohms) $\pm 10\%$ @ 25° C	Suppression Diode	Catalog Number			Schematics (Top View)
				Thru-Hole	Gull-Lead	J-Lead	
1A SPST N.O.	5	380	No	831A-1	831A-1G	831A-1J	
		500	No	831A-3	831A-3G	831A-3J	
	12	1000	No	831A-5	831A-5G	831A-5J	
	24	1750	No	831A-7	831A-7G	831A-7J	
1B (See Note 3) SPST N.C.	5	200	No	831B-1	831B-1G	831B-1J	
		500	No	831B-3	831B-3G	831B-3J	
	12	500	No	831B-5	831B-5G	831B-5J	
	24	1750	No	831B-7	831B-7G	831B-7J	
1C SPDT	5	200	No	831C-1	831C-1G	831C-1J	
		500	No	831C-3	831C-3G	831C-3J	
	12	500	No	831C-5	831C-5G	831C-5J	
	24	1750	No	831C-6	831C-6G	831C-6J	
1C SPDT	5	200	No	835C-1	835C-1G	835C-1J	
		500	No	835C-3	835C-3G	835C-3J	
	12	500	No	835C-5	835C-5G	835C-5J	
	24	1750	No	835C-6	835C-6G	835C-6J	
1C SPDT	5	200	No	836C-1	836C-1G	836C-1J	
		500	No	836C-3	836C-3G	836C-3J	
	12	500	No	836C-5	836C-5G	836C-5J	
	24	2200	No	836C-6	836C-6G	836C-6J	
2A DPST N.O.	5	200	No	832A-1	832A-1G	832A-1J	
		500	No	832A-3	832A-3G	832A-3J	
	12	500	No	832A-5	832A-5G	832A-5J	
	24	1750	No	832A-6	832A-6G	832A-6J	

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 electrostatic shield and/or magnetic shield requirements.

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