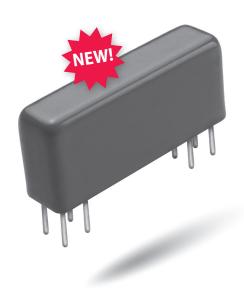
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2370 SERIES MULTI-POLE REED RELAYS FOR 125°C

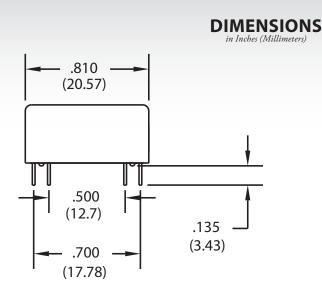


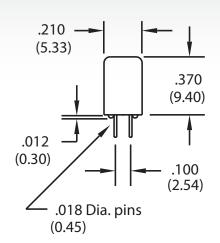
2370 Series Multi-Pole Reed Relays

The 2370 Series is designed for automatic test equipment and instrumentation requiring 125°C operation. The 2370 series is available with 2 Form A, 3 Form A and 2 Form C contacts.

2370 Series Features

- ► Smallest Multi-pole Relay: 0.056 sq. inches/pole (3 pole relay)
- ► Hermetically Sealed Contacts
- ► Long Life / High Reliability
- ► Magnetically Shielding Steel Shell
- ▶ 125°C Operating Temperature
- ▶ RoHS compliant





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Bottom View				

Ordering Information

Part Number 23XX-XX-0X0

I di I Nollibei <u>2377-77</u> 0							
Model Number		Shielding Options					
2377 (2 Form A) 2373 (3 Form A) 2372 (2 Form C)	Coil Voltage 05=5 volts 12=12 volts	0=No Shielding (2373 & 2372 only) 2=Coaxial Shield (2377 only)					

MODEL NUMBER	R		2377 ²	2373	2372
Parameters	Test Conditions	Units	2 Form A	3 Form A	2 Form C
COIL SPECS.					
Nom. Coil Voltage		VDC	5 12	5 12	5 12
Coil Resistance	+/- 10%, 25° C	Ω	90 500	90 500	90 500
Operate Voltage	Must Operate by	VDC - Max.	2.5 6.7	2.5 6.7	2.5 6.7
Release Voltage	Must Release by	VDC - Min.	0.4 1.0	0.4 1.0	0.4 1.0
CONTACT RATINGS					
Switching Voltage	Max DC/Peak AC Resist.	Volts	200	200	100
Switching Current	Max DC/Peak AC Resist.	Amps	0.5	0.5	0.25
Carry Current	Max DC/Peak AC Resist.	Amps	1.5	1.5	0.5
Contact Rating	Max DC/Peak AC Resist.	Watts	10	10	3
Life Expectancy-Typical ¹	Signal Level 1.0V, 10mA	x 10 ⁶ Ops.	500	500	100
Static Contact Resistance (max. init.)	50mV, 10mA	Ω	0.150	0.150	0.200
Dynamic Contact Resistance (max. init.)	0.5V, 50mA at 100 Hz, 1.5 msec	Ω	0.200	0.200	0.250
RELAY SPECIFICATION	IS				
Insulation Resistance (minimum)	Between all Isolated Pins at 100V, 25°C, 40% RH	Ω	1012	1012	10 ⁹
Capacitance - Typical Across Open Contacts	No Shield Shield Guarding	pF pF	0.8 0.2	0.8 N/A	2.0 N/A
Dielectric Strength (minimum)	Between Contacts Contacts to Shield Contacts/Shield to Coil	VDC/peak AC VDC/peak AC VDC/peak AC	250 1000 1000	250 N/A 1000	200 N/A 1000
Operate Time - including bounce - Typical	At Nominal Coil Voltage, 30 Hz Square Wave	msec.	0.5	0.5	1.5
Release Time - Typical		msec.	0.15	0.15	2.0
Dot stan	nped on top of relay refers to Grid = .1"x.1" (2.54)		5 6 4 6 3 7 0 2 8 1	5 4 6 3 3 7 2 2 1	5 6 4 3 7 8

Environmental Ratings:

Storage Temp: -35°C to +125°C; Operating Temp: -20°C to +125°C; Solder Temp: 270°C max; 10 sec. max All electrical parameters measured at 25°C unless otherwise specified.

Vibration: 20 G's to 2000 Hz; Shock: 50 G's

 $^{^{1}}$ Consult factory for life expectancy at other switching loads. Resistance >0.5 Ω defines end of life or failure to open.

² 2377 Coaxial shield is connected to pins #6 and #7.