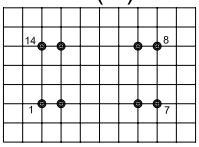
OPTIONS

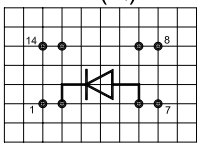
( ) Versions with magnetic shield

View from top of component
2.54mm [0.10"] pitch grid

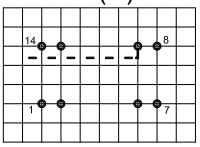
L (M)



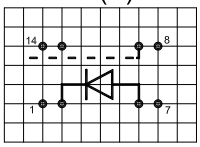
D (Q)



E (R)



F (S)



OPTIONS DEPENDENCE ON CASE SIZES

CONTACT FORM	PACKAGE SIZE	PIN OUT	OPTIONS							
			L	D	E	F	M	Q	R	S
1A	Low Profile	11	X		X					
		13	X							
	High Profile	11		X		X	X	X		X
		13		X			X	X		
1B	High Profile	19	X	X			X	X		
2A	High Profile	21	X	X	X	X	X	X	X	X
1C	Low Profile	51	X							
	High Profile			X	X	X	X	X	X	X

L = No option
D = With Diode between pin 2 and 6 (Pin 2 is positive)
E = Internal shield on pin 9
F = With Diode between pin 2 and 6 (Pin 2 is positive) and Internal shield on pin 9
M = External magnetic shield
Q = External magnetic shield and diode between pin 2 and 6 (Pin 2 is positive)
R = External magnetic shield and internal shield on pin 9
S = External magnetic shield and with diode between pin 2 and 6 (Pin 2 is positive) and internal shield on pin 9

Molded DIP
Reed Relays

RELAY DATA

All data at 20 °C	Switch Model --> Contact Form -->	Contact 72 Form A / B			Contact 75 Form A / B			Contact 90 Form C			
Contact Ratings	**Conditions**	**Min.**	**Typ.**	**Max.**	**Min.**	**Typ.**	**Max.**	**Min.**	**Typ.**	**Max.**	**Units**
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			20			10			3	W
Switching Voltage	DC or peak AC			200			1000			175	V
Switching Current	DC or peak AC			1.0			0.5			0.25	A
Carry Current	DC or peak AC			1.25			1.0			1.2	A
Static Contact Resistance	w/ 0.5V & 50mA			150			200			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5V & 50mA 1.5 ms after closure			200			200			250	mΩ
Insulation Resistance (100 Volts applied)	Across contacts Contact to coil	10^{12} 10^{12}			10^{10} 10^{12}			10^{9} 10^{12}			Ω
Breakdown Voltage	Across contacts Contact to coil	320 1500*			1000** 1500*			200 1500			VDC
Operate Time, incl. Bounce	Measured w/ 100% overdrive			0.5			0.5			0.7	ms
Reset Time	Measured w/ no coil suppression			0.1			0.1			1.5	ms
Capacitance	Across contacts Contact to coil		0.2 2.0			0.4 2.0			1.0 3.0		pF
Life Expectancies											
Switching 5 Volts@ 10mA	DC only & <10 pF stray cap.		1000			500			100		10^{6} Cycles
For other load requirements please see our life test section located on page 151.											
Environmental Data											
Shock Resistance	1/2 sine wave duration 11ms			50			50			50	g
Vibration Resistance	From 10 - 2000 Hz			20			20			20	g
Ambient Temperature	10 °C/ minute max. allowable	-20		70	-20		70	-20		70	°C
Storage Temperature	10 °C/ minute max. allowable	-35		95	-35		95	-35		95	°C
Soldering Temperature	5 sec. dwell			260			260			260	°C

* Selects pin out 13 and 4.25 kVDC (3.0 kVRMS) breakdown voltage contact to coil. ** For higher voltage requirements please consult factory.