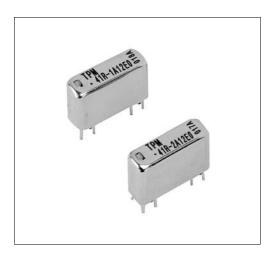


Microminiature Reed Relays (1)

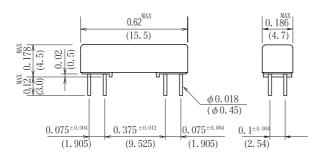


It has been materialized pitch smaller than 30D series to superior to high frequence types 41R series are excellent to debug/high density mounting, as they are low stray capasitance types with LED.

Mechanical Dimensions

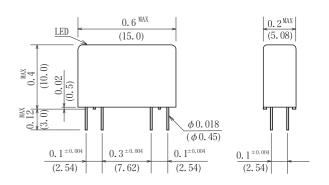
All dimensions are measured in inches (millimeters).





1	2	6	7
[°	0	٥	0
·			٥
14			8

$41R-1A\Box 2E0$
$4 1 R - 2 A \square 2 E 0$
$41R-1E\Box 2E0$



1	2	5	6
(0	9	₩,	[اف
(e	٥	<u> </u>	اك
12	11	8	7



40D	44D Cario		Model N	umber	Model Number	Model Number	Model 1	Number
40R, 41R Series		5	40R-1A□2N1		41R-1A□2E0 41R-2A□2E0		41R-1E□2E0	
Parameters	Test Condition	Units	1 Form A		1 Form A	2 Form A	1 Form C	
Coil Specs	•							
Nominal coil voltage Coil resistance Operating voltage Operating voltage range Release voltage	±10% at20°C 15°C~35°C 15°C~35°C 15°C~35°C	VDC Ω VDC Max VDC VDC Min	5 150 3.6 — 0.7	12 600 9.6 — 1.2	5 180 3.6 — 0.7	12 680 9.6 — 1.2	5 180 3.6 3.6/5.5 0.7	12 680 8.8 9.6/13.2 1.2
Contact Ratings								
Switching voltage Switching current Carry current Contact rating Life expectancy Contact resistance Contact resistance stability	Max. DC/Peak AC resistance Max. DC/Peak AC resistance Max. DC/Peak AC resistance Max. DC/Peak AC resistance 1V. 10mA Maximum initial Maximum initial	Volts Amps Amps Watts ×10°Cyc mΩ mΩ	200 0.5 1.0 10 150 150 5.0	0		200 0.5 1.0 10 100 150 5.0		
Relay Specificati	ons	'						
Insulation resistance	Between all isolated pins at 100V 20°C 40%RH	Ω	10¹	1	10)10	10) ¹⁰
Capacitance Across open contacts Contact to Shield	Shield guarding Contacts open,: Make-shield Shield floating	pF-Max	0.2 1.2		0.		0. 0. 2.	3
Open contact to coil Dielectric strength Operating time	Shield guarding: Make-Coil Between contacts Contacts to shield At nominal coil voltage,	VDC msec	0.5 200 200 0.3	;))	200 200 0.5		200 200 1.0	
(Including. bounce) Release time	100Hz Square wave Diode suppression	msec	0.2	5			1.0	
Environmental Ratings Mesurement reference of Temp.: 15°C~35°C Atmospheric pressure Storage temp.: —40°Operating temp: —2 The operating and Rel and the coil resistance at 20°C. These value approximately 0.4%/of the ambient temperatuvibration: 20Gs to 20 Shock: 50Gs	Humidity: 25%~85%RH a: 860~1060hPa °C~+80°C 0°C~+60°C lease Voltage are specified s change C change in ure.	Schematics Top view	8	7 6 6	11	7 • 6 6 5 (-) 2 (+) 12 • 1	11 12	6 5(-) 2(+)

Notes:

- (1) Values are specified with a resistive load being applied. A contact protective circuit is required for C and L Type loads.
- (2) The values of the operating time and release time however, are when the rated coil voltage is applied and a clamp diode is attached.
- (3) Model 41R Series: Diode is connected to pin 2 (+) and pin 5 (-).

 Correct coil polarity must be followed.

ORDERING CODE

4 0 R - 1 A $\underline{\ }$ 2 N 1 4 1 R - $\underline{\ }$ $\underline{\ }$ $\underline{\ }$ $\underline{\ }$ 2 E 0

Example 40R-1A12N1 Represents Series 40R with 1Form A, Dry Reed (Ruthenium), Coil Voltage 5V and Coaxial Shield.

(1) Number of capsule 1-1capsule 2-2capsules (2) Contact Form
A-Form A
E-Multi-pole
(Break-before-Make action Form C)

(3) Coil Voltage 1-5VDC 2-12VDC