

# U月2／U日己 Series 

（18）
NEC＇s UA2／UB2 relay is a new generation slim package Miniature Signal Relay for use in high density applications．

## FEATURES

－Small mounting size for high density applications
－Bellcore（ 2500 V surge coil to contacts）and FCC（ 1500 V ）surge capability．
－IEC950／UL1950／EN60950 spacing and high breakdown voltage．（Basic insulation class on 200 V working voltage）
－Low power consumption 140 mW

## APPLICATIONS

Electronic switching systems，PBX，terminal equipment，telephone system，test equipment．

PERFORMANCE CHARACTERISTICS (Community)

| Contact Form | 2 Form c |  |
| :--- | :--- | :--- |
| Contact Ratings | Maximum Switching <br> Power | 30 W (resistive) |
|  | Maximum Switching <br> Voltage | 110 Vdc |
|  | Maximum Switching <br> Current | 1 A |
| Maximum Carrying <br> Current | 1 A |  |

## DIMENSIONS

mm
UA 2


UA2-NJ


## UB 2



UB2-N
31
UB2CA2
NEEC JAPAN


## RECOMMENDED PAD LAYOUT

(bottom view) mm
UA2


UA2-NJ



UB2-N


## SCHEMATICS

(bottom view)
UA2


Non-latch type frot emergized posit [on)

UA2-NJ


Non-latch type (not energlzed positions


Sragle coll
latch type
(reset position)


Reset

Slngle coll
latch type
(reset positlon)

UB2
Coss


UB2-N

9

65
Non-latch type
〔not energized position)


SInEle coll
latch type
(reset posltian)


PART NUMBER SYSTEM
UA2-3 SNU
(1) (2)(3) (4)
(1) Series

UA2 : Through-hole
UB2 : Surface Mount
(2) Nominal coil voltage (See Nominal Lineup)
(3) Latch type

Nil : Non-latch type
S : Single coil latch type
(4) NU :

Standard type (NJ: trimmed lead type UA2 )(NUN: Minimum footprint UB2)

NOMINAL LINEUP
Non-latch Type
at $20^{\circ} \mathrm{C}$

| Nominal <br> Coil Voltage <br> (Vdc) | Coil <br> Resistance <br> $($ Ohm $) \pm \mathbf{1 0 \%}$ | Must Operate <br> Voltage <br> (Vdc) | Must Release <br> Voltage <br> (Vdc) | Nominal <br> operate power <br> $(\mathbf{m W})$ |
| :---: | :---: | :---: | :---: | :---: |
| 1.5 | 16 | 1.13 | 0.15 | 140 |
| 3 | 64.3 | 2.25 | 0.3 | 140 |
| 4.5 | 145 | 3.38 | 0.45 | 140 |
| 5 | 178 | 3.75 | 0.5 | 140 |
| 6 | 257 | 4.5 | 0.6 | 140 |
| 9 | 579 | 6.75 | 0.9 | 140 |
| 12 | 1028 | 9.0 | 1.2 | 140 |
| 24 | 2504 | 18.0 | 2.4 | 230 |

Single-Coil Latch Type
at $20^{\circ} \mathrm{C}$

| Nominal <br> Coil Voltage <br> (Vdc) | Coil <br> Resistance <br> $($ Ohm $) \pm \mathbf{1 0 \%} \%$ | Must Operate <br> Voltage <br> (Vdc) | Must Release <br> Voltage <br> $($ Vdc) | Nominal <br> operate power <br> $(\mathbf{m W})$ |
| :---: | :---: | :---: | :---: | :---: |
| 1.5 | 22.5 | 1.13 | 1.2 | 100 |
| 3 | 90 | 2.25 | 2.4 | 100 |
| 4.5 | 202.5 | 3.38 | 3.6 | 100 |
| 5 | 250 | 3.75 | 4 | 100 |
| 6 | 360 | 4.5 | 4.8 | 100 |
| 9 | 810 | 6.75 | 7.2 | 100 |
| 12 | 1440 | 9.0 | 9.6 | 100 |
| 24 | 4800 | 18.0 | 19.2 | 120 |

## SAFETY STANDARD AND RATING

UL Recognized CSA Certified
(UL508)*
File No. E73266
(CSA C22.2 No. 14)
File No. LR46266
$30 \mathrm{Vdc}, 2 \mathrm{~A}$ (Resistive)
$110 \mathrm{Vdc}, 0.6$ A (Resistive)
125 Vac, 0.5 A (Resistive)

* Spacing: UL114, UL478

World Products Inc.
19654 8th St. East, Sonoma, CA 95476 USA
Phone: (707) 996-5201 Fax: (707) 996-3380
E-mail: emdsales@worldproducts.com
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