

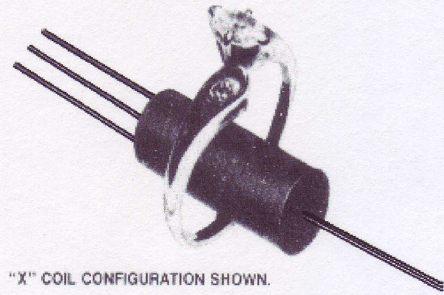
SERIES 10

REED RELAY

REED RELAYS SERIES 10

SERIES 10 RELAYS OFFER MANY UNIQUE DESIGN APPLICATION ADVANTAGES. ITS UNIQUE PACKAGE DESIGN IS MANUFACTURED USING MATERIALS TRACEABLE TO UL 94V-O RATINGS COUPLED WITH ITS ECONOMICAL PRICE MAKES THIS RELAY FAR SUPERIOR TO COMPETITIVE RELAYS.

USRELAYS SYSTEMS, PROCEDURES AND CONTROLS MEET MIL-Q-9858-A, AND HAVE BEEN APPROVED BY MAJOR ELECTRONIC COMPANIES AND GOVERNMENTAL AGENCIES. EXTENSIVE EQUIPMENT IS AVAILABLE FOR ON-LINE PRODUCTION TESTING OF ALL REED RELAYS. QUALITY CONTROL PROCEDURES MEET ALL REQUIREMENTS AND PARAMETERS OF MIL-1-45208A.



"X" COIL CONFIGURATION SHOWN.

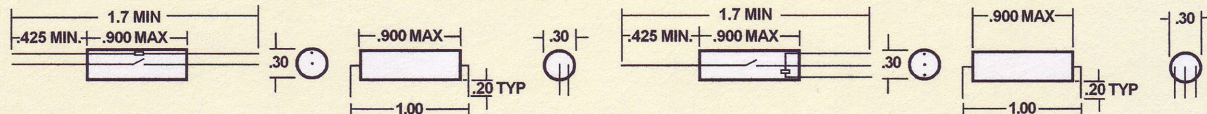
THE **SERIES 10 RELAY** FAMILY CONSISTS OF 3 DISTINCT RELAY TYPES: THE **RX-2** FOR DRY CIRCUIT SWITCHING, THE **BLACK BEAUTY** FOR 3 TO 20 WATT SWITCHING, THE **POWER MAX** FOR 10 TO 50 WATT SWITCHING.

CONTACT RATINGS (RESISTIVE LOADS)

| PARAMETERS | (R) RX-2 | (B) BLACK BEAUTY | (P) POWER MAX |
|------------------------------|-------------------------|-------------------------|-------------------------|
| VOLTAGE (MAX. SWITCHING) | 200 VDC | 200 VDC | 200 VDC |
| CURRENT (MAX. SWITCHING) | 0.5 AMPS | 1.0 AMPS | 1.0 AMPS |
| POWER (MAX. SWITCHING) | 5 WATTS | 20 WATTS | 50 WATTS |
| CURRENT (MAX. CARRY) | 1.0 AMPS | 2.0 AMPS | 2.0 AMPS |
| CAPACITANCE (TYPICAL) | .2PF | .2PF | .2PF |
| CONTACT RESISTANCE (INITIAL) | .100 OHMS | .100 OHMS | .100 OHMS |
| OPERATE TIME (TYPICAL) | .5 MS | .5 MS | .5 MS |
| RELEASE TIME (TYPICAL) | .25 MS | .25 MS | .25 MS |
| TEMPERATURE | -55°TO +85°C | -55°TO +85°C | -55°TO +85°C |
| SHOCK | 200 G @ 11MS DURATION | 200 G @ 11MS DURATION | 200 G @ 11MS DURATION |
| VIBRATION | 50 G @ 0-2000 HZ | 50 G @ 0-2000 HZ | 50G @ 0-2000 HZ |
| INSULATION RESISTANCE | 10 ¹⁰ @ 20°C | 10 ¹⁰ @ 20°C | 10 ¹⁰ @ 20°C |

DIMENSIONS UNIT (INCHES)

SERIES 10 RELAYS ARE CONSTRUCTED USING 94V-O BOBBINS AND TUBES. RUTHENIUM OR RHODIUM CONTACTS ARE USED EXTENSIVELY DEPENDING ON THE WATTAGE REQUIREMENTS. LEAD WIRES (.022 DIA) ARE PLATED WITH EASILY SOLDERABLE TIN FOR MAXIMUM SOLDERABILITY.



COIL IN THE "Y" CONFIGURATION

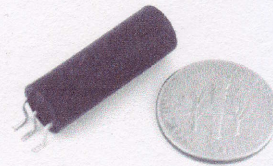
PCB LAYOUT

COIL IN THE "X" CONFIGURATION

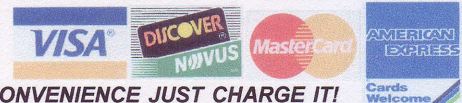
PCB LAYOUT

SURFACE MOUNT BENDING

USRELAYS HAS COME UP WITH A WAY FOR OUR CUSTOMERS TO BE ABLE TO PURCHASE THE "X" TYPE SERIES 10 REED RELAY IN A SMT FORMAT. (GULL LEAD STYLE)
*** SPECIAL PART NUMBERS WILL BE ISSUED.**
CONSULT FACTORY.



EXTENSIVE CATALOG INFORMATION ON THE INTERNET
WWW.USRELAYS.COM



FOR YOUR CONVENIENCE JUST CHARGE IT!

Cards Welcome

USRELAYS AND TECHNOLOGY, INC.
 13851 ROSWELL AVENUE UNITS F/G CHINO, CA. 91710 U.S.A.

TEL (909) 902-5112
 FAX (909) 902-5122
WWW.USRELAYS.COM