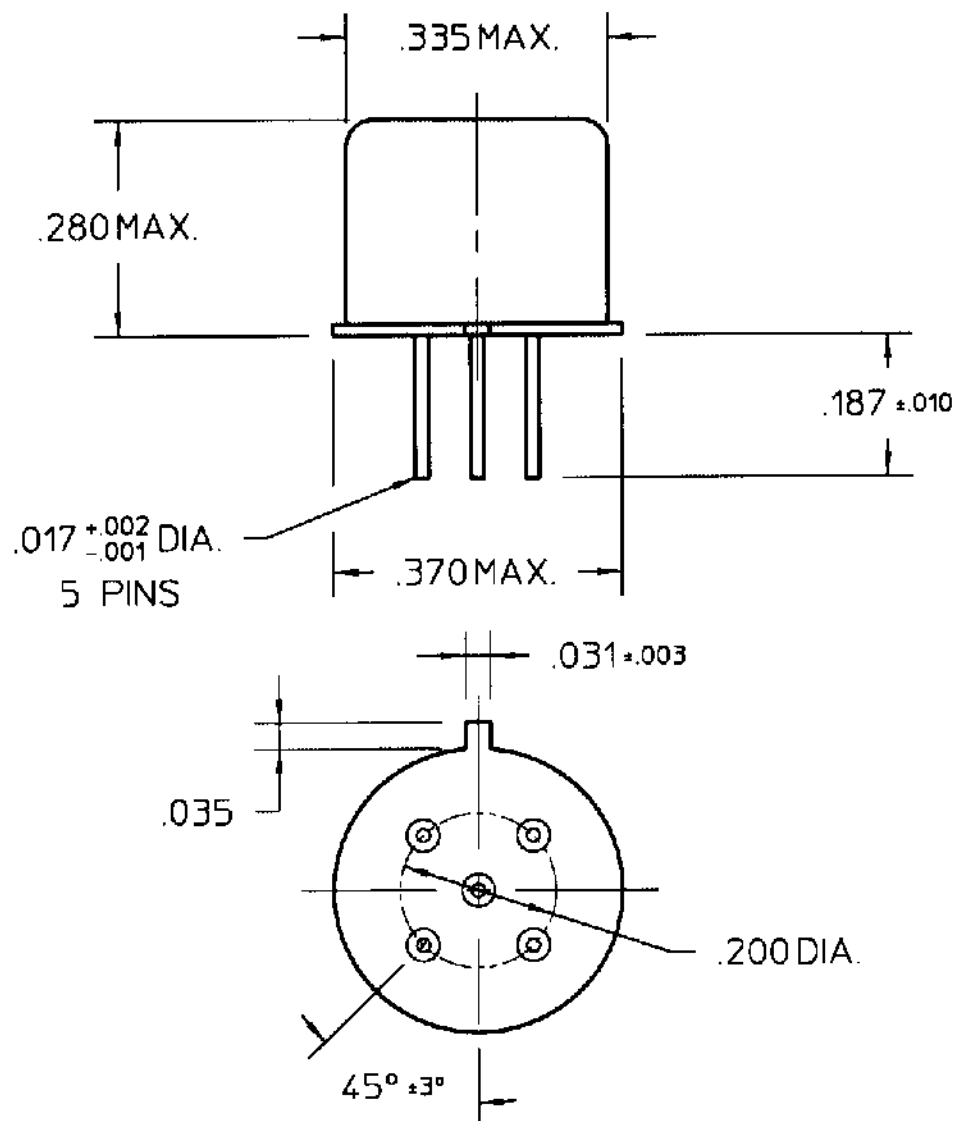


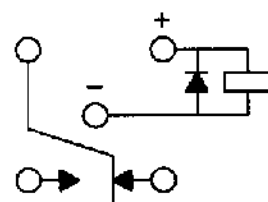


COIL: @ 25°C
 RESISTANCE 500 OHMS ± 10%
 NOMINAL VOLTAGE 12.0 VDC
 MUST OPERATE 7.0 VDC
 MUST RELEASE 4.0 VDC MAX. 0.63 VDC MIN.

ENVIRONMENT:
 VIBRATION 10 CPS TO 3000 CPS @ 30 g's
 SHOCK 75 g's 6 MS. DURATION
 TEMPERATURE -65 °C TO +125 °C

NOTES: OPERATE TIME 2.0 MS MAX.
 RELEASE TIME 4.0 MS MAX.
 CONTACT BOUNCE 1.5 MS MAX.

CUSTOMER DATA SHEET



CONTACT RATING: LOW LEVEL TO 1A
 28 VDC RESISTIVE 100,000 OPERATIONS

DR. R.B. 1/15/97 CK. 1/15/97

COMMUNICATIONS
 INSTRUMENTS, INC.

CUST. QPL
 CUST. NO. M39016/23-022L

TYPE J1MAD RELAY

J1MAPD-12XL