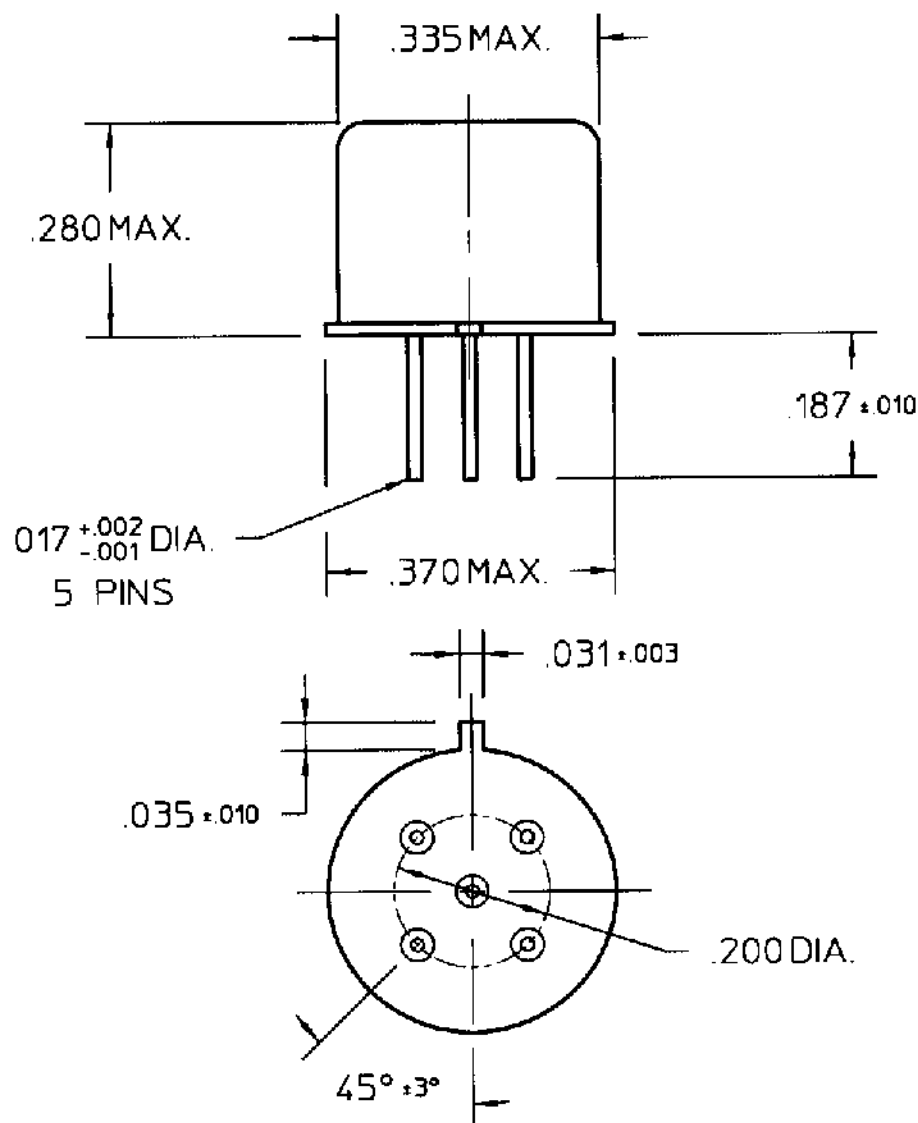


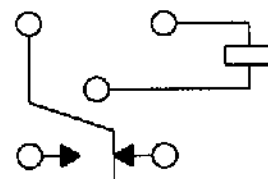


COIL: @ 25°C
 RESISTANCE 500 OHMS $\pm$ 10%
 NOMINAL VOLTAGE 12.0 VDC
 MUST OPERATE 7.0 VDC
 MUST RELEASE 4.0 VDC MAX, 0.63 VDC MIN.

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 2.0 MS MAX.
 CONTACT STABILIZATION 2.0 MS MAX.

CUSTOMER DATA SHEET



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

DR. R.B. 12/16/97 *[Signature]* 12/16/97

**COMMUNICATIONS
 INSTRUMENTS, INC.**

CUST. QPL
 CUST. NO. M39016/7-020M

TYPE "J1MA" RELAY

J1MAP-12XM