

SPECIFICATIONS

ELECTRICAL

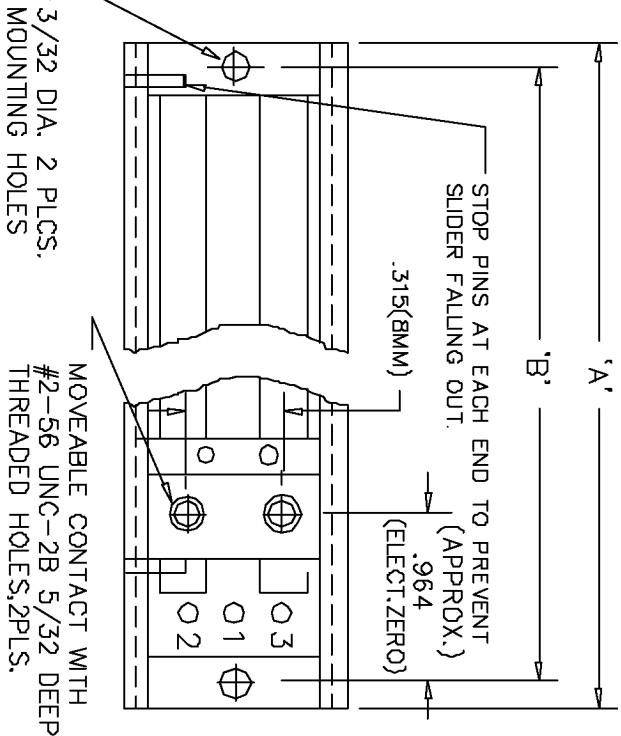
RESISTANCE RANGE --- SEE TABLE  
RESISTANCE TOLERANCE --- ±20%  
OUTPUT SMOOTHNESS --- BELOW 0.1% OF INPUT VOLTS  
CONTACT RESIS. VARIATION --- BELOW 2%  
INSULATION RESISTANCE --- 1000 MEGOHMS @ 500VDC  
DIELECTRIC STRENGTH --- 1 MINUTE AT 500 VAC  
RESOLUTION --- ESSENTIALLY INFINITE  
MECHANICAL  
ROTATIONAL LIFE --- 10,000,000 STROKES

ENVIRONMENTAL

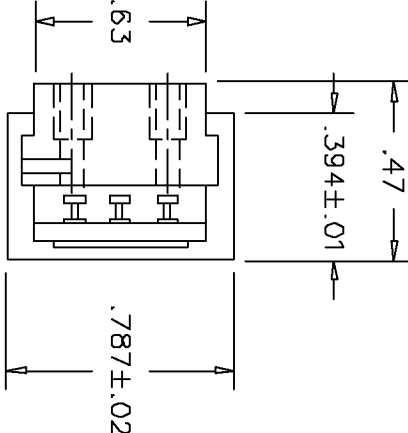
OPERATING TEMPERATURE --- -30°C TO +105°C  
TEMPERATURE COEFFICIENT --- ±400 PPM/°C  
VIBRATION --- 10HZ TO 2000HZ 15G  
SHOCK --- 50G 11MS  
MOISTURE RESISTANCE --- 40°C 95%RH 120 HOURS

MATERIALS

HOUSING --- ALUMINUM  
TERMINALS --- GOLD PLATED, BRASS  
RESISTANCE ELEMENT --- CONDUCTIVE PLASTIC



MOVEABLE CONTACT WITH #2-56 UNC-2B 5/32 DEEP THREADED HOLES, 2PLS.



SCHEMATIC

| MODEL NO.                   | LCPL115          | LCPL153      | LCPL200        | LCPL275          | LCPL300          | LCPL400                | LCPL458                | LCPL500                     | LCPL533                     | LCPL610                     | LCPL1000                      | LCPL1220                      |
|-----------------------------|------------------|--------------|----------------|------------------|------------------|------------------------|------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| ELECTRICAL STROKE           | 4.52 ±.04        | 6.00±.04     | 7.874 ±.04     | 10.826 ±.04      | 11.811 ±.04      | 15.748 ±.04            | 18.000±.04             | 19.685 ±.04                 | 21.000 ±.04                 | 24.000±.04                  | 39.370 ±.04                   | 48.000 ±.04                   |
| MECHANICAL STROKE (APPROX.) | 4.646 ±.04       | 6.126 ±.04   | 8.000 ±.04     | 10.952 ±.04      | 11.929 ±.04      | 15.866 ±.04            | 18.118±.04             | 19.803 ±.04                 | 21.197 ±.04                 | 24.197±0.4                  | 39.567 ±.04                   | 48.197 ±.04                   |
| STANDARD RESISTANCE VALUES  | 1K,2K,5K,10K     | 1K,2K,5K,10K | 2K,5K,10K      | 2K,5K,10K        | 5K,10K,20K       | 5K,10K,20K<br>50K,100K | 5K,10K,20K<br>50K,100K | 5K,10K,20K<br>50K,100K,200K | 5K,10K,20K<br>50K,100K,200K | 5K,10K,20K<br>50K,100K,200K | 10K,20K,50K<br>100K,200K,500K | 10K,20K,50K<br>100K,200K,500K |
| LINEARITY (INDEPENDENT)     | ±0.5%            | ±0.5%        | ±0.5%          | ±0.5%            | ±0.5%            | ±0.5%                  | ±0.5%                  | ±0.5%                       | ±0.5%                       | ±0.5%                       | ±0.5%                         | ±0.5%                         |
| POWER RATING                | 1 WATTS          | 1 WATTS      | 2 WATTS        | 2 WATTS          | 2.5 WATTS        | 3 WATTS                | 3 WATTS                | 4 WATTS                     | 4 WATTS                     | 4 WATTS                     | 6 WATTS                       | 6 WATTS                       |
| DIMENSION                   | A ±.04<br>B ±.02 | 6.49<br>7.60 | 9.843<br>9.450 | 12.796<br>12.403 | 13.780<br>13.386 | 17.716<br>17.323       | 19.869<br>19.575       | 21.654<br>21.260            | 22.969<br>22.575            | 25.869<br>25.575            | 41.338<br>40.944              | 50.166<br>49.772              |