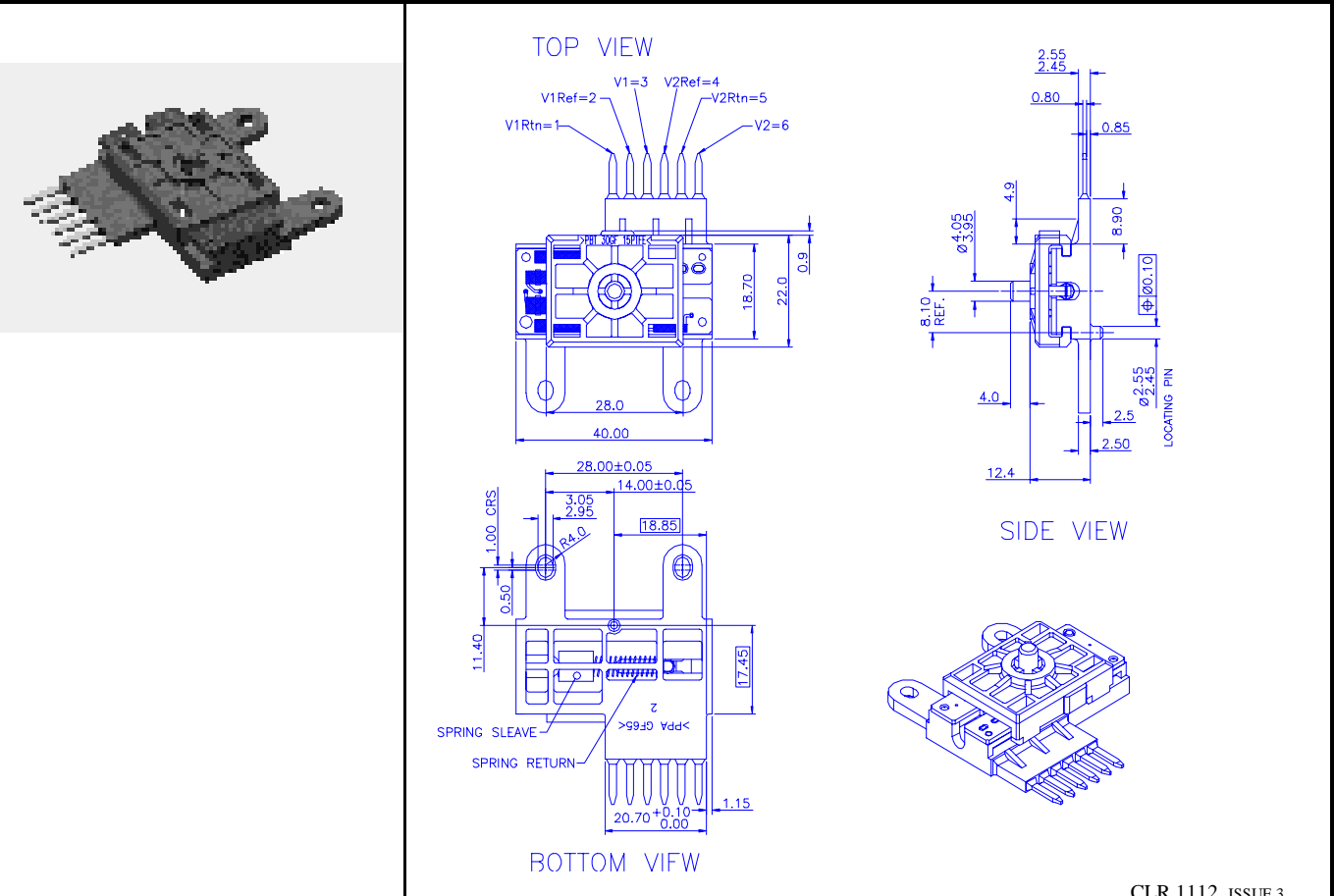


Integrated Position Sensor (IPS) Linear



CLR 1112 ISSUE 3

Integrated Position Sensor with option of single or twin potentiometer track outputs. Suitable for integration into customer mouldings to facilitate a sealed construction. The Sensor can be used in Small Engine Management Systems, Throttle Position Sensing, Seat Position, Pedal Position and is suitable to replace discrete Track & Wiper systems

| | Standard | Available on Request |
|-----------------------------|--|--------------------------------|
| Resistance Value | S1=1K2 +/-20% S2=1K7 +/-20% | 0K5 to 2K5 |
| Independent Linearity | S1=+/-3.0% S2=+/-1.5% | Dependent to electrical travel |
| Micro Linearity | <0.2% per 1% increment of travel | |
| Interlinearity | 1% | <1% |
| Electrical Travel | 11.73mm Max | Up to 50mm |
| Mechanical Travel | 12mm | |
| Operating Temperature | -40°C to +150°C | Up to 170°C |
| Temperature Coef. of Output | <15ppm / °C | |
| Vibration | IEC68/2/6:50-500Hz, 20g @ 15 min per sweep x 24 sweeps per axis 6 hour total | |
| Applied Voltage | 5 to 16 volts | |
| Mechanical Shock | 4000 bumps, 390 m/s ² , 40g; Δ R _{ac} <1% | |
| Mechanical Endurance | In excess of 10 x 10 ⁶ | |

