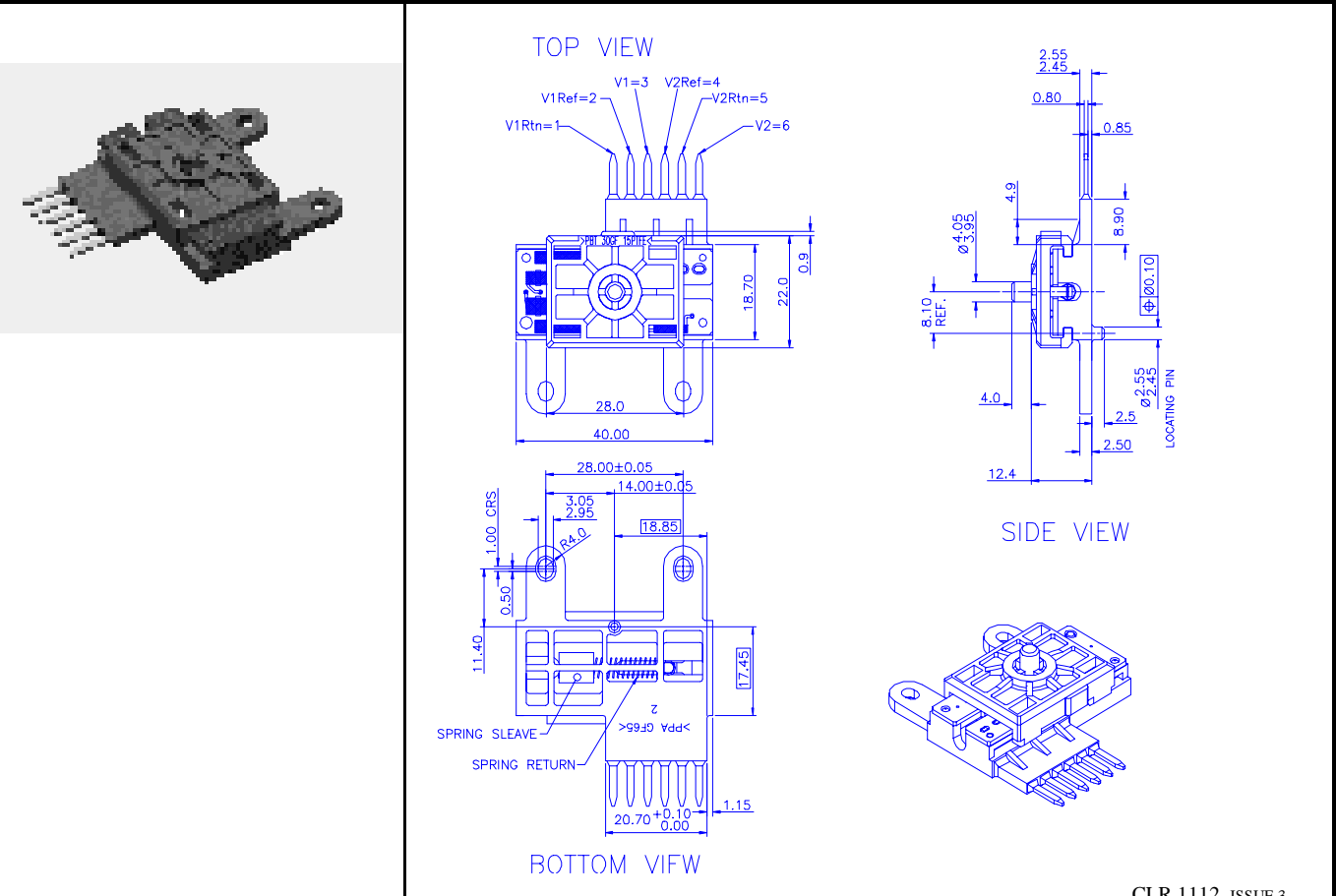


Integrated Position Sensor (IPS) Linear



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	