



NOTE: THE BENDING CAPACITY IS 5Nm

DRAWING IN THIRD ANGLE PROJECTION

| SPECIFICATIONS | |
|--|---------------|
| CAPACITY (Nm) | 20 |
| OVERLOAD CAPACITY (%F.S.) | 300 |
| DIFFERENTIAL OUTPUT @ F.S. (V) | 2.5 ± 2 * |
| POWER SUPPLY (V) | 4.5-5V, 25MA |
| BRIDGE RESISTANCE (Ω) NOMINAL | 350 |
| NON-LINEARITY (%F.S.) | 0.5 |
| HYSTERESIS (%F.S.) | 1.0 |
| OPERATING TEMP. RANGE ($^\circ$ C) | -20 TO +100 |
| CROSSTALK (%F.S.) | 1.0 |
| AXIAL FORCE FOR CROSSTALK (N) | 100 |
| RADIAL FORCE FOR CROSSTALK (N) | 200 |
| BENDING MOMENT FOR CROSSTALK (Nm) | 5 |
| TORSION ANGLE (CALCULATED) | 0.05° |
| TORSIONAL STIFFNESS (KNm/RAD) | 23 |
| BENDING STIFFNESS (KNm/RAD) | 8 |
| MASS (KG) | 0.19 |

ATTENTION: RED WIRE MUST BE CONNECTED TO POSITIVE SUPPLY VOLTAGE AND BLACK TO GROUND. OTHERWISE CIRCUIT MAY GET DAMAGED!

* WHEN POWER SUPPLY IS 4.5V, OUTPUT WILL BE $2.25 \pm 1.75V$

| WIRING CODE | |
|-------------|----------|
| COLOR | FUNCTION |
| RED | +EX |
| GREEN | +SIG |
| BLACK | GND |
| BROWN | -SIG |

SUNRISE INSTRUMENTS
www.srisensor.com

SINGLE AXIS TORQUE LOADCELL
D79MM, 20 Nm

| | | |
|---|---------|-------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M2212R3 | REV. 0.2 |
|---|---------|-------------|