



NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 200% OF THOSE USED FOR CROSSTALK MEASUREMENT

### SPECIFICATIONS

CAPACITY (Nm)	80
OVERLOAD CAPACITY (%F.S.)	200
OUTPUT @ F.S. (V) NOMINAL	2.5±2
POWER SUPPLY (V)	5V
BRIDGE RESISTANCE (Ω) NOMINAL	350
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-20 TO +100
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	300
RADIAL FORCE FOR CROSSTALK (N)	500
BENDING MOMENT FOR CROSSTALK (Nm)	55
TORSION ANGLE (CALCULATED)	0.06°
TORSIONAL STIFFNESS (KNm/RAD)	76
BENDING STIFFNESS (KNm/RAD)	60
MASS (KG)	0.15

DRAWING IN THIRD ANGLE PROJECTION

### WIRING CODE

COLOR	FUNCTION
RED	+EX
GREEN	+SIG
BLACK	GND
BROWN	-SIG

**SUNRISE INSTRUMENTS**

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ROBOT JOINT TORQUE LOADCELL  
D64MM, 80 Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2212G3

REV.  
0.2