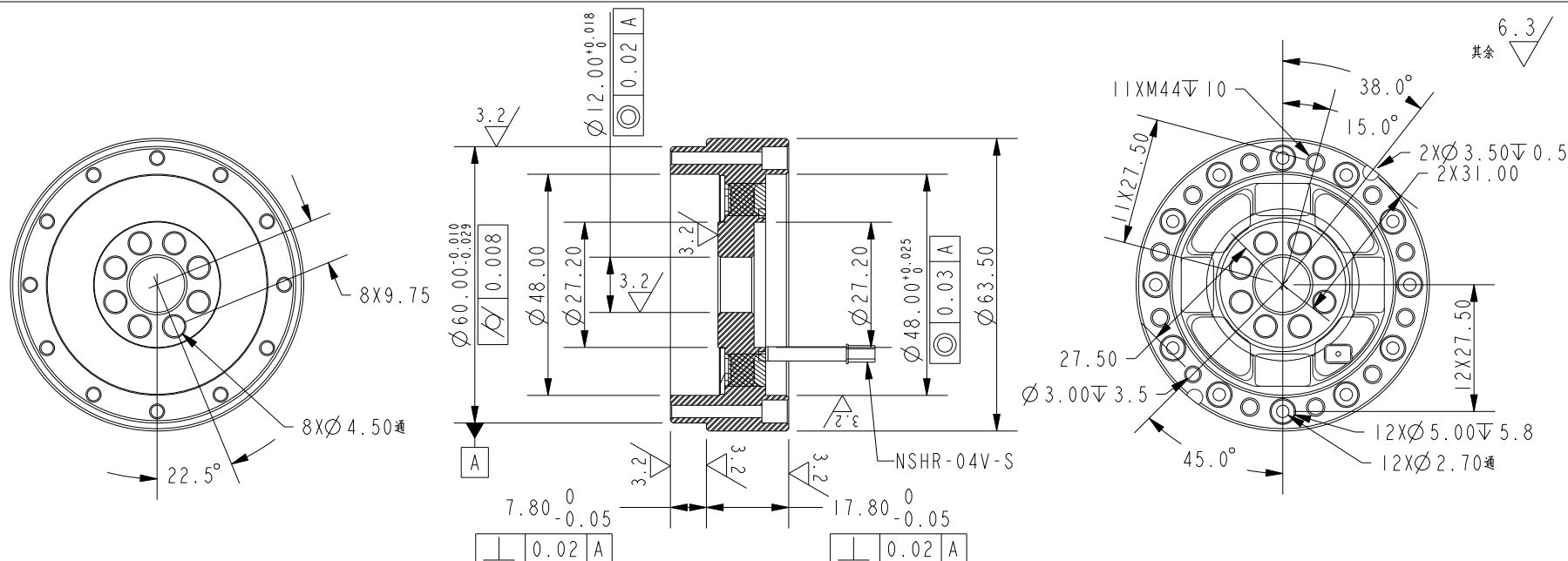




NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 300% OF THOSE USED FOR CROSSTALK MEASUREMENT

## SPECIFICATIONS

|                                   |            |
|-----------------------------------|------------|
| CAPACITY (Nm)                     | 60         |
| OVERLOAD CAPACITY (%F.S.)         | 300        |
| DIFFERENTIAL OUTPUT @ F.S. (V)    | 2.5±2      |
| POWER SUPPLY (V)                  | 5V         |
| BRIDGE RESISTANCE (Ω) NOMINAL     | 700        |
| NON-LINEARITY (%F.S.)             | 0.5        |
| HYSTERESIS (%F.S.)                | 1.0        |
| OPERATING TEMP. RANGE (°C)        | -20 TO +85 |
| CROSSTALK (%F.S.)                 | 1.0        |
| AXIAL FORCE FOR CROSSTALK (N)     | 120        |
| RADIAL FORCE FOR CROSSTALK (N)    | 240        |
| BENDING MOMENT FOR CROSSTALK (Nm) | 10         |
| TORSION ANGLE (CALCULATED)        | 0.05°      |
| TORSIONAL STIFFNESS (KNm/RAD)     | 69         |
| BENDING STIFFNESS (kNm/RAD)       | 10         |
| MASS (KG)                         | 0.28       |

## Pin Definition

| pin # | FUNCTION |
|-------|----------|
| pin1  | tor in2  |
| pin2  | tor in1  |
| pin3  | GND      |
| pin4  | 5V       |

**SUNRISE INSTRUMENTS**  
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DUAL CHANNEL TORQUE LOADCELL  
 D63.5MM, 60 Nm

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN MM

M2212Z2

REV.  
 0.1