

REACTION WHEELS

PART NUMBER GUIDE

Understanding Reaction Wheel Part Numbers

REACTION WHEEL GENERATION

RW: Low Voltage Design
RW3: High Torque
RW4: Radiation Tolerant

SUPPLY VOLTAGE

4: 4 V nominal
7: 7 V nominal
28: 28 V nominal

BEARINGS

0: Steel ABEC 3
1: Steel ABEC 5
2: Hybrid DLC/WCC ABEC 7
3: Advanced Hybrid ABEC 7

RADIATION TOLERANCE

0: Standard parts
1: Lot screened parts
2: Rad-tolerant parts

RW3-0.06-28-RS485-2-1-1

ANGULAR MOMENTUM

0.003: 3 mNm-sec
0.01: 10 mNm-sec
0.03: 30 mNm-sec
0.06: 60 mNm-sec
0.20: 200 mNm-sec
0.40: 400 mNm-sec
1.0: 1 Nm-sec

COMMUNICATIONS

RS485 (RS422)
CAN
ASYNC
I2C

MOTOR REDUNDANCY

0: None
1: Dual or Litz-wound
2: Full Redundant

Not all combinations mutually possible.
Please consult factory for full selection.