GENERAL SPECIFICATION OF HSR-1422CR CONTINUE ROTATION SERVO

1. TECHNICAL VALUE
   CONTROL SYSTEM : +PULSE WIDTH CONTROL 1500usec NEUTRAL/20000usec FRAME
   OPERATING VOLTAGE RANGE : 4.8V TO 6.0V
   OPERATING TEMPERATURE RANGE : -20°C TO +60°C(-4°F TO +140°F)
   TEST VOLTAGE : AT 4.8V
   OPERATING SPEED : 43.4rpm±10%
   STALL TORQUE : 2.8kg.cm(38.88oz.in)
   STANDING TORQUE : NONE
   IDLE CURRENT : 7.7mA AT STOPPED
   RUNNING CURRENT : 150mA/NO LOAD RUNNING
   STALL CURRENT : 640mA
   DEAD BAND WIDTH : 10usec +/-20%
   OPERATING TRAVEL : CONTINUE ROTATION
   NEUTRAL POSITION : 1500usec +/- 50usec
   DIRECTION : CLOK WISE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE : CORED METAL BRUSH
   POTENTIOMETER TYPE : NON
   AMPLIFIER TYPE : ANALOG AMPLIFIER
   DIMENSIONS : 40.6x19.8x36.6mm(1.59x0.77x1.44in)
   WEIGHT : 41.7g WITH OUT SPLINED HORN
   BALL BEARING : DUAL OILITE BUSHING
   GEAR MATERIAL : POM RESIN
   HORN GEAR SPLINE : 24 SEGMENTS/Ø5.76
   SPLINED HORNS : REGULAR/R-0
   CONNECTOR WIRE LENGTH : 300mm(11.81in)
   CONNECTOR WIRE STRAND COUNTER : 40EA
   CONNECTOR WIRE GAUGE : 25AWG

2. FEATURES
   360° ROTATION
   DUAL OILITE BUSHING

3. APPLICATIONS
   ROBOTS

HITEC RCD KOREA INC.