GENERAL SPECIFICATION OF
HSR-1425CR 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: CLOCKWISE/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 WITHOUT SPLINED HORN
BALL BEARING: DUAL BALL BEARING
GEAR MATERIAL: POM RESIN
HORN GEAR SPLINE: 24 SECTIONS / #5.76
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 BALL BEARING

3. APPLICATIONS
ROBOTS

HITEC RCD KOREA INC.