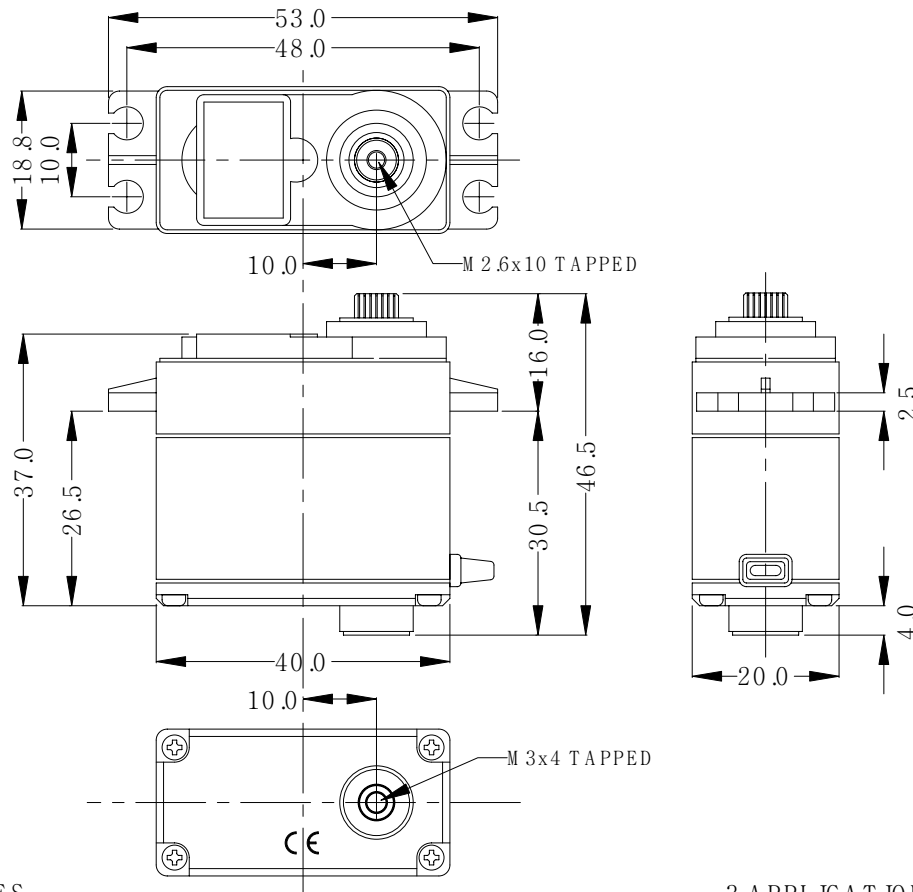


GENERAL SPECIFICATION OF HSR-5995TG CORELESS DIGITAL SERVO

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1. TECHNICAL VALUE

CONTROL SYSTEM	+PULSE WIDTH CONTROL 1500μsec NEUTRAL	
OPERATING VOLTAGE RANGE	4.8V TO 6.0V	
OPERATING TEMPERATURE RANGE	-20°C TO +60°C (-68°F TO +140°F)	
TEST VOLTAGE	AT 6.0V	AT 7.4V
OPERATING SPEED	0.15sec/60° AT NO LOAD	0.12sec/60° AT NO LOAD
STALL TORQUE	24.0kg.cm (333.29oz.in)	30.0kg.cm (416.61oz.in)
STANDING TORQUE	31.2kg.cm (433.27oz.in)/5° HOLD OUT	39kg.cm (541.59oz.in)/5° HOLD OUT
IDLE CURRENT	3mA AT STOPPED	3mA AT STOPPED
RUNNING CURRENT	300mA / NO LOAD RUNNING	380mA / NO LOAD RUNNING
STALL CURRENT	4200mA	5200mA
DEAD BAND WIDTH	2μsec	2μsec
OPERATING TRAVEL	90°/9°/ONE SIDE PULSE TRAVELING 400μsec	
DIRECTION	CLOCKWISE/PULSE TRAVELING 1500 TO 1900μsec	
MOTOR TYPE	CORELESS METAL BRUSH	
POTENTIOMETER TYPE	6 SLIDER/INDIRECT DRIVE	
AMPLIFIER TYPE	DIGITAL AMPLIFIER WITH MOSFET DRIVE	
DIMENSIONS	40x20x37mm (1.57x0.78x1.45in)	
WEIGHT	62g (2.18oz)	
BALL BEARING	DUAL/MR106	
GEAR MATERIAL	TITANIUM ALLOY	
HORN GEAR SPLINE	24 SEGMENTS/5.76	
SPLINED HORNS	REGULAR METAL/R-ML	
CONNECTOR WIRE LENGTH	300mm (11.81in)	
CONNECTOR WIRE STRAND COUNTER	60EA	
CONNECTOR WIRE GAUGE	22AWG	



2. FEATURES

- PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE
- DURABLE TITANIUM ALLOY METAL GEARS WITH DUAL BALL BEARING
- ULTRA HARDNESS SHAFT WITH 3 AXIAL METAL BUSHING

3. APPLICATIONS

ROBOTS

WATER & DUST TIGHT
BOTTOM SIDE AXIAL MOUNT HOLE

HITEC RCD KOREA INC.