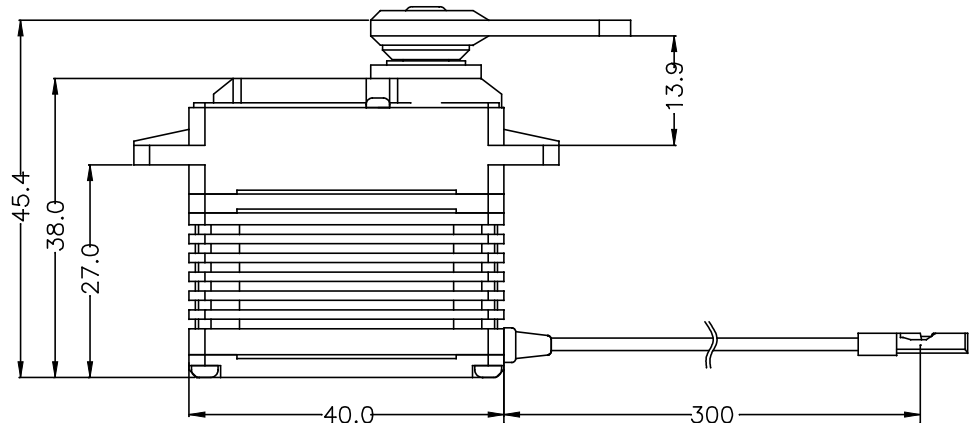
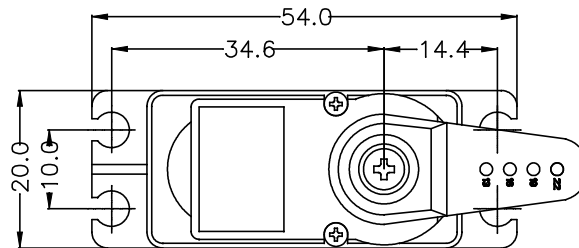


GENERAL SPECIFICATION OF HS-8380TH ULTRA TORQUE DIGITAL SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM	:+PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	:6.0V TO 7.4V	
OPERATING TEMPERATURE RANGE	:-20°C TO +60°C(-4°F TO +140°F)	
TEST VOLTAGE	:AT 6.0V	AT 7.4V
OPERATING SPEED	:0.17sec/60° AT NO LOAD	0.14sec/60° AT NO LOAD
STALL TORQUE	:29.0kg.cm(402.73oz.in)	35.0kg.cm(486.05oz.in)
STANDING TORQUE	:—	—
IDLE CURRENT	:10mA AT STOPPED	10mA AT STOPPED
RUNNING CURRENT	:700mA/NO LOAD RUNNING	800mA/NO LOAD RUNNING
STALL CURRENT	:5,500mA	6,500mA
DEAD BAND WIDTH	:1usec	1usec
OPERATING TRAVEL	:ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
MOTOR TYPE	:CORELESS METAL BRUSH	
POTENTIOMETER TYPE	:4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE	
AMPLIFIER TYPE	:DIGITAL AMPLIFIER WITH MOSFET DRIVE	
DIMENSIONS	:40x20x38mm(1.57x0.79x1.50in)	
WEIGHT	:68g(2.40oz)	
BALL BEARING	:DUAL/MR106	
GEAR MATERIAL	:1 METAL-PLASTIC & 3 TITANIUM ALLOY	
HORN GEAR SPLINE	:25 SEGMENTS/ø6.0	
SPLINED HORNS	:HEAVY DUTY/LS25, IM25, OS25, X25	
CONNECTOR WIRE LENGTH	:300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	:80EA	
CONNECTOR WIRE GAUGE	:20AWG	



2. FEATURES

HIGH VOLTAGE & RESPONSE DIGITAL SERVO
 DURABLE TITANIUM ALLOY METAL GEARS WITH DUAL BALL BEARING
 ULTRA HARDNESS GEAR SHAFT WITH 3 AXIAL METAL BUSHINGS
 ENHANCED HEAT SINK FOR BEST PERFORMANCE
 ENHANCED WATER & DUST RESISTANT
 3mm HORN SCREW("+" & HEX SOCKET SCREW INCLUDE)
 APPLIED H25T HORN GEAR

3. APPLICATIONS

AIRCRAFT 20~120 CLASS
 ALL EP 600~700 & GP 30~90 CLASS HELICOPTERS
 1/10 ~ 1/4 SCALE CAR STEERING & THROTTLE
 NITRO & GASOLINE BOATS

HITEC RCD KOREA INC.