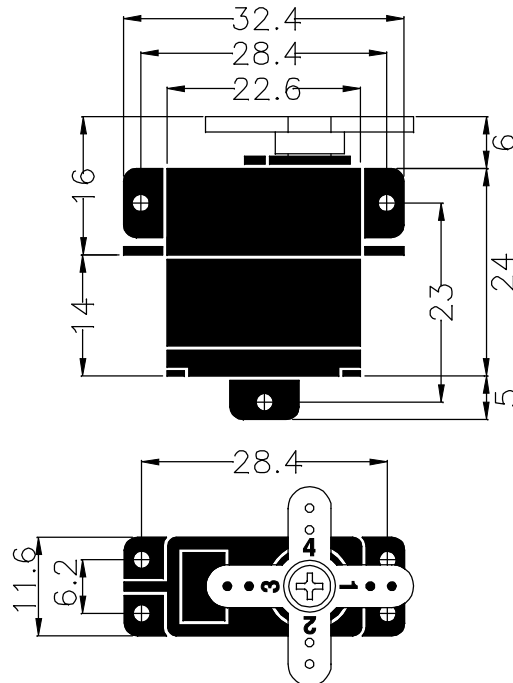


GENERAL SPECIFICATION OF HS-56HB HEAVY DUTY FEATHER SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM	:+PULSE WIDTH CONTROL 1500usec NEUTRAL	
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	AT 6.0V
OPERATING SPEED	:0.12sec/60° AT NO LOAD	0.1sec/60° AT NO LOAD
STALL TORQUE	:1.2kg.cm(16.66oz.in)	1.4kg.cm(19.44oz.in)
STANDING TORQUE	:0.96kg.cm(13.33oz.in)/5° HOLDOUT	1.1kg.cm(15.27oz.in)/5° HOLD OUT
IDLE CURRENT	:7.4mA AT STOPPED	7.7mA AT STOPPED
RUNNING CURRENT	:180mA/60° AT NO LOAD	220mA/60° AT NO LOAD
STALL CURRENT	:960mA	1200mA
DEAD BAND WIDTH	:5usec	5usec
OPERATING TRAVEL	:40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
MOTOR TYPE	:CORED METAL BRUSH	
POTENTIOMETER TYPE	:2 SLIDER/DIRECT DRIVE	
AMPLIFIER TYPE	:ANALOG HYBRID I.C	
DIMENSIONS	:22.6x11.6x24mm(0.88x0.45x0.94in)	
WEIGHT	:11.2g(0.39oz)	
BALL BEARING	:SINGLE/MR85	
GEAR MATERIAL	:HEAVY DUTY RESIN	
HORN GEAR SPLINE	:25 SEGMENTS/∅5	
SPLINED HORNS	:MICRO23:M23-I, M23-X	
CONNECTOR WIRE LENGTH	:250mm(9.84in)	
CONNECTOR WIRE STRAND COUNTER	:20 EA	
CONNECTOR WIRE GAUGE	:28AWG	



2. FEATURES

HEAVY DUTY RESIN GEARS WITH BALL BEARING
PRECISION

3. APPLICATIONS

FAST PARK FLYING MODELS. ELECTRIC MICRO PLANE, MAV