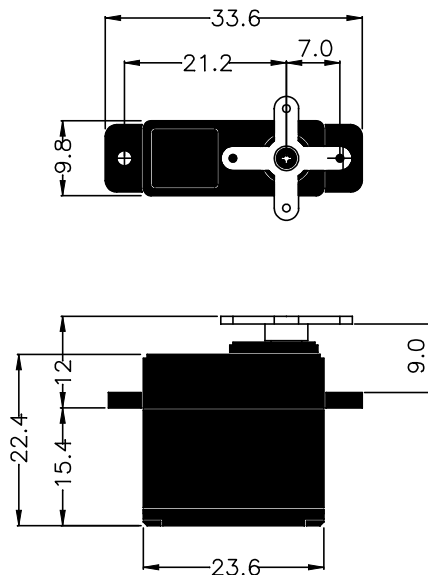


GENERAL SPECIFICATION OF HS-45HB KARBONITE GEAR FEATHER SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM	: +PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	: 4.8V	
OPERATING TEMPERATURE RANGE	: -20°C TO +60°C (-4°F TO +140°F)	
TEST VOLTAGE	: AT 4.8V	: AT 6.0V
OPERATING SPEED	: 0.14sec/60° AT NO LOAD	: 0.12sec/60° AT NO LOAD
STALL TORQUE	: 1.0kg.cm(13.88oz.in)	: 1.2kg.cm(16.65oz.in)
IDLE CURRENT	: 8mA AT STOPPED	
RUNNING CURRENT	: 100mA/60° AT NO LOAD	
STALL CURRENT	: 440mA	
DEAD BAND WIDTH	: 5usec	
OPERATING TRAVEL	: 40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
ROTATIONAL LIFE	: 20,000cycle MIN/0.3kg.cm LOADED	
GEAR STRENGTH	: 3.0kg.cm(41.66oz.in) MIN	
MOTOR TYPE	: CORED METAL BRUSH	
POTENTIOMETER TYPE	: 2 SLIDER/DIRECT DRIVE	
AMPLIFIER TYPE	: ANALOG SMT	
DIMENSIONS	: 23.6x9.8x22.4mm(0.92x0.38x0.88in)	
WEIGHT	: 8g(0.28oz)	
BALL BEARING	: SINGLE/MR74	
GEAR MATERIAL	: KARBONITE RESIN	
HORN GEAR SPLINE	: 15 SEGMENTS/∅4	
SPLINED HORNS	: FEATHER/FS-X, FS-IS, FS-IL, FS-IXL	
CONNECTOR WIRE LENGTH	: 250mm(9.84in)	
CONNECTOR WIRE STRAND COUNTER	: 20 EA	
CONNECTOR WIRE GAUGE	: 28AWG	



2. FEATURES

HIGH IMPACT GEARS WITH ONE BALL BEARING
SLIM SIZE CASE WITH 2mm THICK MOUNT SUPPORT

3. APPLICATIONS

FAST PARK FLYING MODELS. ELECTRIC MICRO PLANE, MAV