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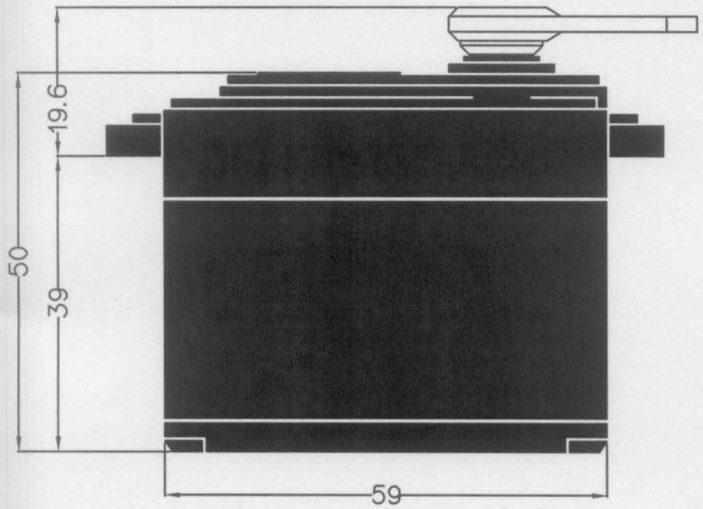
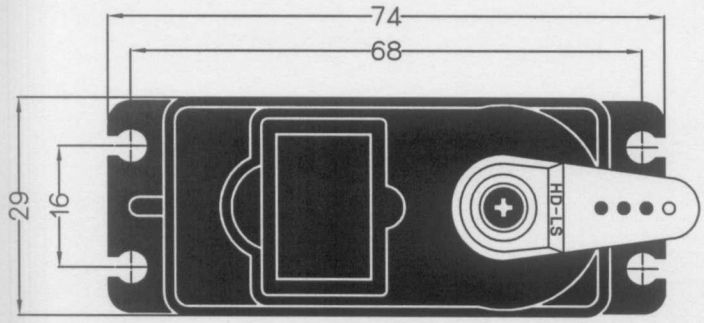
GENERAL SPECIFICATION OF HS-755HB QUARTER SCALE SERVO

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(−46°F TO +86°F)	
TEST VOLTAGE	: AT 4.8V	AT 6.0V
OPERATING SPEED	: 0.28sec/60° AT NO LOAD	0.23sec/60° NO LOAD
STALL TORQUE	: 11kg.cm(152.75oz.in)	13.2kg.cm(183.31oz.in)
STANDING TORQUE	: 8.8kg.cm(122.20oz.in)/5° HOLD OUT	10.5kg.cm(145.81oz.in)/5° HOLD OUT
IDLE CURRENT	: 8mA AT STOPPED	8mA AT STOPPED
RUNNING CURRENT	: 230mA/60° AT NO LOAD RUNNING	250mA/60° AT NO LOAD RUNNING
STALL CURRENT	: 1500mA	1800mA
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	: 6 SLIDER/INDIRECT DRIVE	
AMPLIFIER TYPE	: ANALOG AMPLIFIER	
DIMENSIONS	: 59x29x50mm(2.32x1.14x1.96in)	
WEIGHT	: 110g(3.88oz)	
BALL BEARING	: DUAL/MR106	
GEAR MATERIAL	: HEAVY DUTY RESIN	
HORN GEAR SPLINE	: 24 SEGMENTS/ø5.76	
SPLINED HORNS	: HEAVY DUTY/HD−IS, HD−O, HD−LS, HD−IL, HD−LL	
CONNECTOR WIRE LENGTH	: 300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	: 60EA	
CONNECTOR WIRE GAUGE	: 22AWG	





2. FEATURES

DURABLE HEAVY DUTY RESIN GEARS WITH BALL BEARINGS
WATER & DUST TIGHT

3. APPLICATIONS

FOR LARGE MODELS

HITEC RCD KOREA INC.