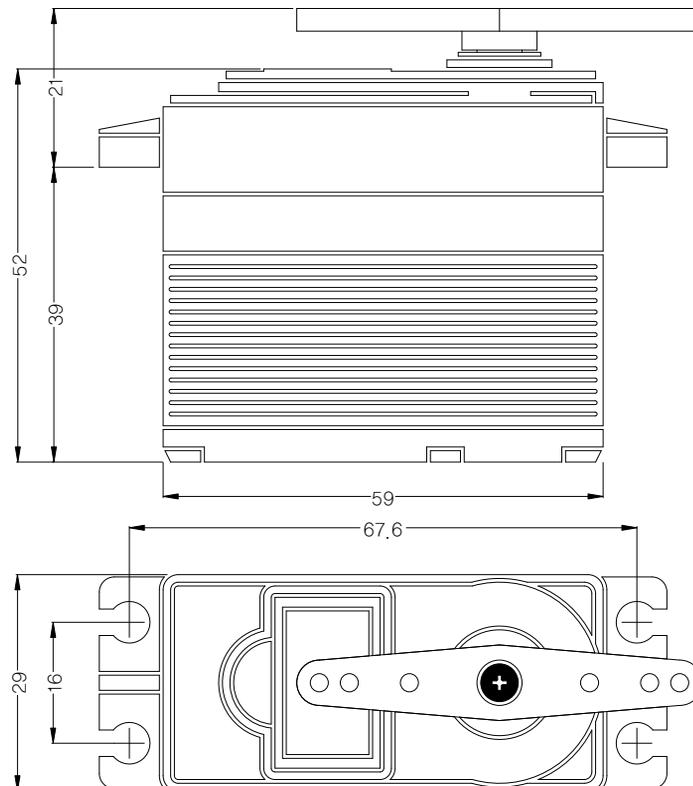


GENERAL SPECIFICATION OF HS-5745MG DIGITAL QUARTER SCALE SERVO

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 (-68°F TO +140°F)	
TEST VOLTAGE	: AT 4.8V	AT 6.0V
OPERATING SPEED	: 0.18sec/60° AT NO LOAD	0.15sec/60° AT NO LOAD
STALL TORQUE	: 15kg.cm(208.30oz.in)	18kg.cm(249.96oz.in)
STANDING TORQUE	: 13.5kg.cm(187.47oz.in)/5° HOLD OUT	16.2kg.cm(224.97oz.in)/5° HOLD OUT
IDLE CURRENT	: 3mA AT STOPPED	3mA AT STOPPED
RUNNING CURRENT	: 700mA/60° AT NO LOAD RUNNING	840mA/60° AT NO LOAD RUNNING
STALL CURRENT	: 4000mA	4800mA
DEAD BAND WIDTH	: 2usec	2usec
OPERATING TRAVEL	: 40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
MOTOR TYPE	: CORED CARBON BRUSH	
POTENTIOMETER TYPE	: 6 SLIDER/INDIRECT DRIVE	
AMPLIFIER TYPE	: DIGITAL AMPLIFIER WITH MOSFET DRIVE	
DIMENSIONS	: 59x29x52mm(2.32x1.14x2.04in)	
WEIGHT	: 161.1g(5.68oz)	
BALL BEARING	: DUAL/MR106	
GEAR MATERIAL	: 1 METAL-RESIN, 3 METAL GEARS	
HORN GEAR SPLINE	: 24 SEGMENTS/□5.76	
SPLINED HORNS	: QUARTER SCALE/Q-MI, Q-I, Q-O, Q-X	
CONNECTOR WIRE LENGTH	: 300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	: 60EA	
CONNECTOR WIRE GAUGE	: 22AWG	



2. FEATURES

- PROGRAMMABLE DIGITAL AMPLIFIER
- DURABLE HEAVY DUTY METAL GEARS WITH 1 METAL-RESIN GEAR

3. APPLICATIONS

- 1/5 SCALE CARS, TRUCKS, PLANES