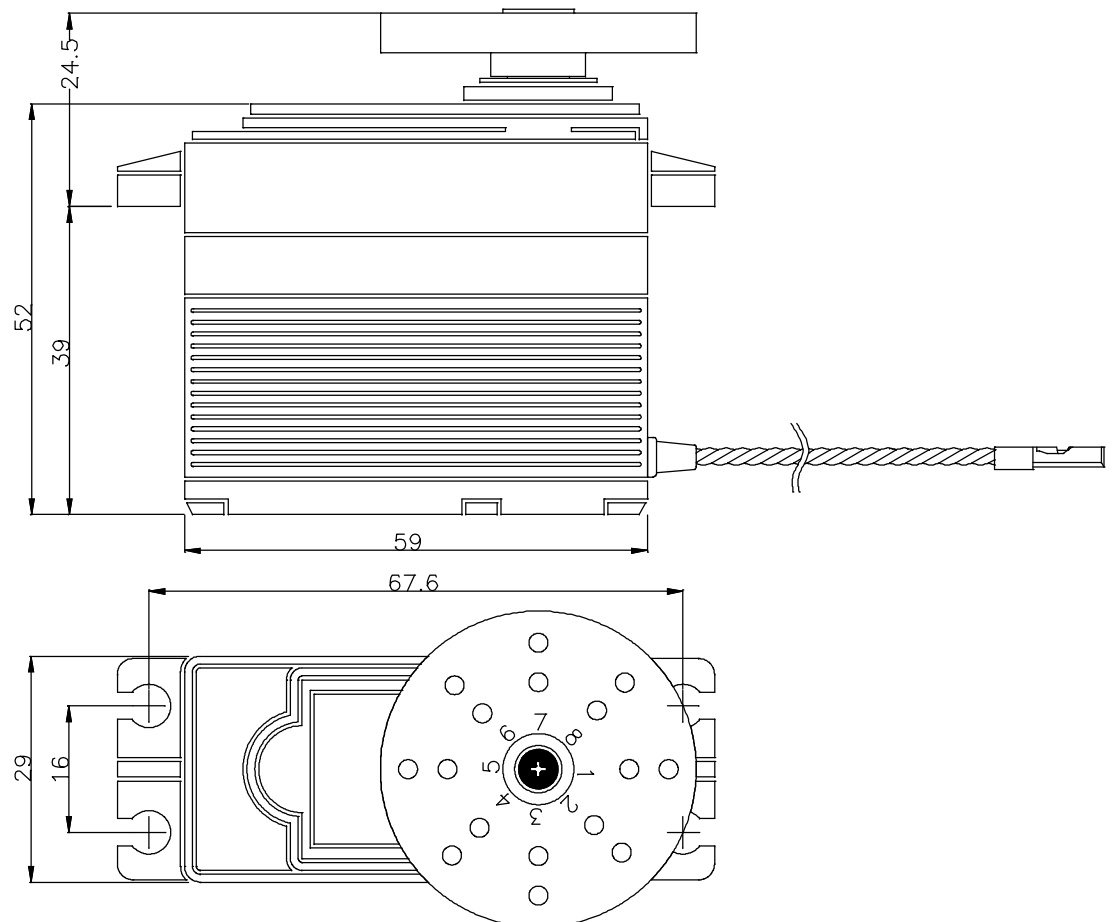


# GENERAL SPECIFICATION OF HS-5765MH QUARTER SCALE SERVO

## 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(-68°F TO +140°F)	
TEST VOLTAGE	: AT 6.0V	: AT 7.4V
OPERATING SPEED	: 0.16sec/60° AT NO LOAD	: 0.13sec/60° AT NO LOAD
STALL TORQUE	: 20kg.cm(277.74oz.in)	
STANDING TORQUE	: 25kg.cm(347.17oz.in)	
IDLE CURRENT	: 3mA AT STOPPED	: 3mA AT STOPPED
RUNNING CURRENT	: 840mA/60° AT NO LOAD RUNNING	: 1100mA/60° AT NO LOAD RUNNING
STALL CURRENT	: 4700mA	: 5800mA
DEAD BAND WIDTH	: 5usec	: 5usec
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	: 172.3g(6.07oz)	
BALL BEARING	: TRIPLE/MR148, MR106, MR63ZZ	
GEAR MATERIAL	: 1 METAL-RESIN, 3 METAL GEARS	
HORN GEAR SPLINE	: 15 SEGMENTS/φ7.82	
SPLINED HORNS	: MEGA SCALE/Q-IA, Q-OA, Q-XA	
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