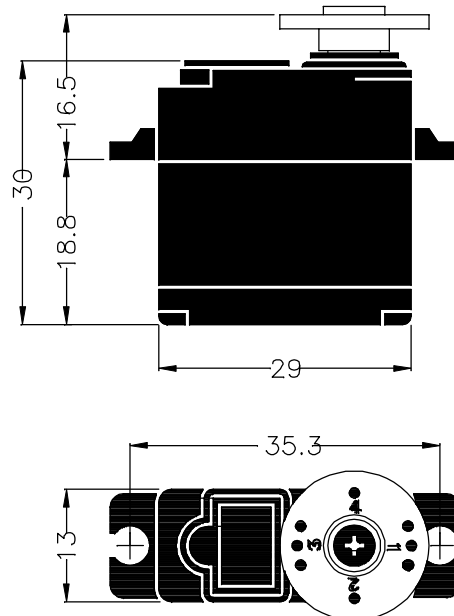


GENERAL SPECIFICATION OF HS-5085MG DIGITAL MICRO SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM	: +PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	: 4.8V TO 6.0V	
OPERATING TEMPERATURE RANGE	: -20° TO +60° (-4°F TO +140°F)	
TEST VOLTAGE	: AT 4.8V	AT 6.0V
OPERATING SPEED	: 0.17sec/60° AT NO LOAD	0.13sec/60° AT NO LOAD
STALL TORQUE	: 3.6kg.cm(50.0oz.in)	4.3kg.cm(59.71oz.in)
STANDING TORQUE	: -	-
IDLE CURRENT	: 3mA AT STOPPED	3mA AT STOPPED
RUNNING CURRENT	: 230mA/60° AT NO LOAD RUNNING	290mA/60° AT NO LOAD RUNNING
STALL CURRENT	: 1,700mA	2,150mA
DEAD BAND WIDTH	: 2usec	2usec
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	: DIGITAL AMPLIFIER & MOSFET DRIVER	
DIMENSIONS	: 29x13x30mm(1.14x0.51x1.18in)	
WEIGHT	: 21.9g(0.77oz)	
BALL BEARING	: SINGLE / MR106	
GEAR MATERIAL	: 1 RESIN & 4 METAL	
HORN GEAR SPLINE	: 24 SEGMENTS / ϕ 5.76	
SPLINED HORNS	: MICRO / M-I, M-O, M-X	
CONNECTOR WIRE LENGTH	: 250mm(9.84in)	
CONNECTOR WIRE STRAND COUNTER	: 20EA	
CONNECTOR WIRE GAUGE	: 28AWG	



2. FEATURES

- HIGH PERFORMANCE DIGITAL AMPLIFIER
- LIGHTWEIGHT METAL GEARS WITH BALL BEARING

3. APPLICATIONS

- FOR SMALL MODELS