

# GENERAL SPECIFICATION OF MD845MW HIGH VOLTAGE SPEED GIANT SERVO

## 1. TECHNICAL VALUE

CONTROL SYSTEM	:+PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	:12.0V TO 15.0V	
OPERATING TEMPERATURE RANGE	:-20°C TO +60°C(-4°F TO +140°F)	
TEST VOLTAGE	:AT 6.0V	AT 7.4V
OPERATING SPEED	:0.14sec/60° AT NO LOAD	0.11sec/60° NO LOAD
STALL TORQUE	:24.0kg.cm(333.29oz.in)	30.0kg.cm(416.61oz.in)
STANDING TORQUE	:-	
IDLE CURRENT	:90mA AT STOPPED	130mA AT STOPPED
RUNNING CURRENT	:1100mA AT NO LOAD RUNNING	1300mA AT NO LOAD RUNNING
STALL CURRENT	:5500mA	6500mA
DEAD BAND WIDTH	:2usec	2usec
INPUT SIGNAL	:+5.0V 1500usec±400usec(±600usec WITH TRIM)	
OPERATING TRAVEL	:40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
OPERATING LIFE	:50,000cycles Min/10.0kg.cm LOADED	
MOTOR TYPE	:CORED CARBON BRUSHES, 5 POLES	
POTENTIOMETER TYPE	:3 SLIDER, 1M cycle/SEMI INDIRECT DRIVE	
AMPLIFIER TYPE	:DIGITAL AMPLIFIER WITH MOSFET DRIVE	
<del>WEIGHT</del> DIMENSIONS	::66.2x32.0x65.0mm(2.60x1.259x2.56in)	
	:220g(7.76oz)	
BALL BEARING	:TWO MR148	
GEAR MATERIAL	:ONE METAL-KARBONITE, 4 STEEL	
HORN GEAR SPLINE	:SQUARE 6.5x6.5	
SPLINED HORNS	:Q-MIA, Q-XA & QIA	
CONNECTOR WIRE LENGTH	:1000mm(39.37in)	
Duration of the test in water	:60min(IP68)	

## 2. FEATURES

HIGH RESPONSE DIGITAL AMPLIFIER WITH MOSFET DRIVE  
1M CYCLE LONG LIFE POTENTIOMETER  
WATER & DUST RESISTANCE

## 3. APPLICATIONS

AIRPLANE ,GASOLIN CAR, INDUSTRY, UAV, ROBOTICS & SPECIAL EFFECTS



