


ADS-645LTG / Low Profile Digital Servo +TG (High Speed)

Control System	Positive PWM control 1500 usec Neutral	
Operation Voltage Range	4.8V ~ 6.0V	
Operation Temperature Range	-20C° ~ +60C° (-4°F ~ 140°F)	
Test Voltage:	At 4.8V (Ni-cd)	At 6.0V (Ni-cd)
Stall Torque	6.2kg/cm , 103 oz/in	8.2kg/cm , 124 oz/in
Standing Torque	7.0kg/cm , 110 oz/in	9.0kg/cm , 134 oz/in
Speed	0.14 sec / 60° at no load	0.11 sec / 60° at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	290mA at no load	340mA at no load
Stall Current	1090mA	1250mA
Dead band width	28 usec	28 usec
Operation Travel	40°/ one side pulse travel 400 usec	
Direction	Re-clock wise/ Pulse Travel 1500 to 1900 usec	
Motor Type	High Response Coreless Motor	
Potentiometer Type	4 Slider/indirect drive	
Amplifier Type	4A Double MOS-FET	
Dimensions	42 x 20.0 x 22 mm / 1.65 x 0.78 x 0.87 inch	
Weight:	34g / 1.19oz without splined horn	
Ball Bearing	Dual / M10x6	
Gear Material	Metal Gear	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	200mm (7.65inch)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	22AWG	
Wire Info (Black)	- Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	

Spare Parts Items

Servo Gear Set	<#10701> ADS-645LTG (Metal Gears)	
Servo Case Set	<#10704> ADS-645LTG (Outside case)	
Servo Accessories	<#10705> ADS-645LTG (Accessories - Horn & screws & rubber)	

