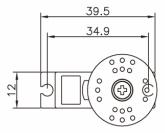
- VI /////		HYPE	RION ATL	AS - PROGE	RAMMABLE	DIGITAL S	SERVOS			-12 9	
Hyperion Part Number >>>	HP-DS12ACP	HP-DS12HCP	HP-DS12SCP	HP-DS13ACB	HP-DS13TCB	HP-DS13TMB	HP-DS20UMD	HP-DS20FMD	HP-DS20SMD	HP-DS20HMD	
Weight	16.9g	17.3g	17.3g	17.9g	17.9g	19.2g	53g	53g	49g	49g	
Dimensions mm	29.5 x 12 x 26	29.5 x 12 x 26	29.5 x 12 x 26	29.5 x 12 x 26	29.5 x 13 x 27.6	29.5 x 13 x 27.6	40.0 x 19.5 x 37.8	40.0 x 19.5 x 37.8	3 40.0 x 19.5 x 37.8	40.0 x 19.5 x 37.8	
Speed sec/60 deg 4.8v/6.0	0.16/0.13	0.13/0.10	0.15/0.12	0.16/0.13	0.20/0.16	0.20/0.16	0.23/0.18	0.17/0.13	0.19/0.15	0.15/0.11	
Gear Train Primary Material	CarbonPoly	CarbonPoly	CarbonPoly	CarbonPoly	CarbonPoly	Metal	Metal	Metal	Metal	Metal	
Bearing	Plain	Plain	Plain	top ball	top ball	top ball	double ball	double ball	double ball	double ball	
Dynamic torque Kg/cm 4.8/6.0v	2.6/3.2	1.7/2.0	2.0/2.4	2.6/3.2	3.6/4.2	3.6/4.2	11.6/13.8	7.0/8.2	4.9/6.3	3.6/4.7	
Holding torque Kg/cm 4.8v/6.0v	5.2/6.4	3.4/4.0	4.0/4.8	5.2/6.4	7.2/8.4	7.2/8.4	20.9/23.5	14.0/16.4	9.8/12.6	7.2/9.4	
Required Pulse	2.5 ~ 5 Volt Peak to Peak Square Wave										
Operating Temp	-20 to +60 Degree C										
Current Drain (4.8V)	7.0mA/idle, 150mA noload operating			7.0mA/idle, 150mA noload operating			7.0mA/idle, 230mA noload operating		7.0mA/idle, 170mA noload operating		
Current Drain (6.0V)	7.0mA/idle, 170mA noload operating			7.0mA/idle, 170mA noload operating			7.0mA/idle, 300mA noload operating		7.0mA/idle, 200mA noload operating		
Stall Current (4.8V)	680mA			680mA			1500mA		830mA		
Stall Current (6.0V)	800mA			800mA			2000mA		1100mA		
Minimum Input Voltage	3.5V under load										
Maximum Input Voltage	Unloaded input voltage should never exceed 7.8V, loaded input voltage max 6.25V										
Drive	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	Direct DIGITAL	
Connector Wire Gauge	25AWG	25AWG	25AWG	25AWG	25AWG	25AWG	22AWG	22AWG	22AWG	22AWG	
Connector Wire Strand Count	30EA	30EA	30EA	30EA	30EA	30EA	60EA	60EA	60EA	60EA	
PROGRA	MMABLE PA	RAMETERS v	ia HP-AT-PI	RGUSB 3pin	Adapter or	EMETER v2	(est Aug 200	7)	•	•	
Rotation in Degrees	Adjustable 30 to 140 degrees total (i.e. 15 to 70 degrees each way), 90 degree default (45 each way)										
Reverse		Clockwise/CounterClockwise, Clockwise default									
Speed		1% to 100% of Rated Speed (100% default)									

Normal Torque and Speed HighTorque/Speed Blend, Mod Current High Torque/Less Speed UltraHigh Torque/Low Speed U Very High Speed/Low Currrent Н High Speed/Med Torque/Low Current Carbon+Metal Gears Metal Gear M Р Plain Bearings B D Top Ball Bearing Twin Ball Bearing

Servo Center DeadBand Width

Compatibility

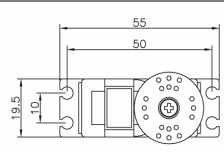


39.5

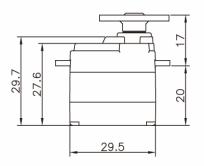
+/- 127uS (0 default, center at 1500uS)

0 uS to 16 uS (2 uS default)

Programmer allows selection of common Transmitter brands, to insure compatibility and default centering

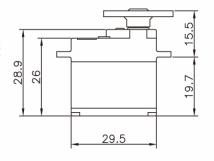


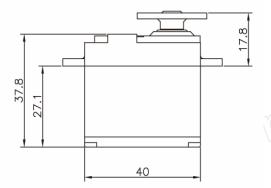
DS-12 SERIES



DS-13 SERIES

DS-20 SERIES





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