A27CHR

UNIT:MM

Control System	Pulse width modulation control
Refresh Rate	333Hz
Neutral Position	1520µS
Signal Mode	Digital
Dead band	2 µSec
Operating Voltage	4.8V ~ 8.4V
Operating Temperature	-15C° ~ +70C°
Bearing	Double Ball Bearings
Mechanical Angle	No Limit
Size	30*10*35.5mm
Net Weight	27.6g
Wire	TYU 180mm / 26AWG
Operating Travel	180°±10°
Signal Range	500 to 2500 µSec

Stall Torque	7.5 kg-cm (104 oz-in) @ 4.8V 8.2 kg-cm (114 oz-in) @ 6.0V 10.0 kg-cm (139 oz-in) @ 7.4V 11.0 kg-cm (153 oz-in) @ 8.4V	**Unload Current**	250mA @ 4.8V 300mA @ 6.0V 400mA @ 7.4V 500mA @ 8.4V
Operating Speed	0.17sec/ 60° @ 4.8V 0.15sec/60° @ 6.0V 0.12sec/60° @ 7.4V 0.11sec/60° @ 8.4V	**Loading Current**	1600mA @ 4.8V 1800mA @ 6.0V 2100mA @ 7.4V 2300mA @ 8.4V

Direction	☑CCW	☐CW	
Waterproof Level	☐IP65	☐IP67	
Angle Sensor	☑Potentiometer	☐Magnet Angle Sensor	
Motor Type	☐Brushless	☑Coreless	☐DC
Motor Drive	☐FET Drive	☑IC Drive	☐Transistor Drive
Programmable	☑Yes	☐No	
Gear Material	☑Strength Steel	☐Titanium	☐Copper ☐Plastic
Horn Gear Spline	☐25T-φ5.92mm	☑25T-φ4.94mm	☐Other_____
Case Material	☑AL6061T6	☐Aluminum + Plastic	☐Plastic
Bearing Material	☑ Metal	☐Plastic	
Horn Accessories	☐AL6061T6	☑ Plastic	
Wire Color	Negative: ☑Black ☐Brown Positive: ☐Black ☑Red Signal: ☐Grey ☑White ☐Orange		