



VIGOR PRECISION LTD.

力嘉精密有限公司

VS-12M SERVO

FOR REFERENCE

TECHNICAL DATA

Control System:	Pulse width control, 1500 μ s neutral	
Operating Voltage:	4.8V~6.0V (DC)	
STD Direction:	Counter clockwise/pulse traveling 800 to 2200 μ sec.	
Test Voltage:	at 4.8V	at 6.0V
Operating Speed:	0.14sec/60° at no load	0.12sec/60° at no load
Stall Torque:	$\geq 1.5\text{kgf.cm}$ (20.83oz/in)	$\geq 1.7\text{kgf.cm}$ (23.61oz/in)
Running Current:	$\sim 0.10\text{A}$	$\sim 0.20\text{A}$
Stall Current:	$\sim 0.50\text{A}$	$\sim 0.60\text{A}$
Output Angle:	$\geq 145^\circ$	
Dead Band Width:	5 μ sec	

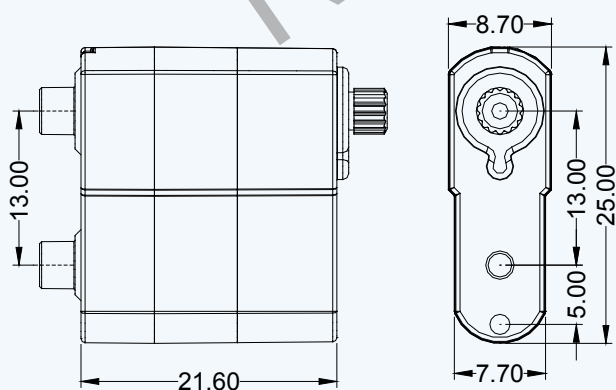
FEATURES

Motor Type:	Coreless Motor
Potentiometer Life:	500,000 cycles
Bearing:	2pcs Copper Bush
Gear Material:	Resin and Metal
Spline Horns:	Spline type for HITEC style
Connector Wire Length:	250mm(9.84in) 28AWG(Connector for FUTABA or JR style)
Special Feature:	Design for mini Robot

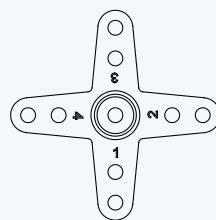
DIMENSIONS

Size :	25.0 $\times$ 8.70 $\times$ 21.6mm(0.98 $\times$ 0.34 $\times$ 0.85in)
Weight:	8.0g (0.28 oz)

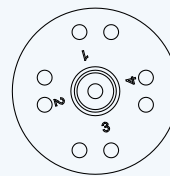
CASE AND HORN DRAWING



STD ACCESSORIES: Horn Screw $\times$ 1pc
Cross Horn "C" $\times$ 1pc
Circular Horn "C" $\times$ 1pc
Single side Horn "C" $\times$ 1pc



Cross Horn "C"



Circular Horn "C"

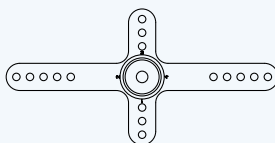


Single side Horn "C"

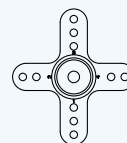
OPTION ACCESSORIES:



Double Sided Horn "L"



Cross Horn "G"



Cross Horn "F"

REMARKS: