

Contactless Absolute Encoder
 User Programmable PID Control Gain
 360 Degree of Position
 Support TTL / RS485 Communication



Specification

Properties	Unit	MX Series					
		MX-12W	MX-28AT/AR	MX-28T/R	MX-64AT/AR	MX-64T/R	MX-106T/R
Stall Torque [N.m]	Nm	0.2	2.5	2.5	6	6	8.4
No Load Speed	rpm	470	55	55	63	63	45
Input Voltage	V	12	12	12	12	12	12
Resolution	Steps	4,096	4,096	4,096	4,096	4,096	4,096
Dimension (W × H × D)	mm	32 × 50 × 40	35.6 × 50.6 × 35.5	35.6 × 50.6 × 35.5	40.2 × 61.1 × 41	40.2 × 61.1 × 41	40.2 × 65.1 × 46.0
Weight	g	54.6	77	72	135	126	153
DC Motor	Type	Cored	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)
Gear	Type	Spur	Spur	Spur	Spur	Spur	Spur
Gear Material	Type	Plastic	Metal	Metal	Metal	Metal	Metal
Case Material	Type	Plastic	Metal and Plastic	Plastic	Metal and Plastic	Plastic	Metal and Plastic
Gear Ratio	-	32 : 1	193 : 1	193 : 1	200 : 1	200 : 1	225:1
Network Interface	-	TTL	TTL / RS485	TTL / RS485	TTL / RS485	TTL / RS485	TTL / RS485
MCU	-	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])

Drawing

