

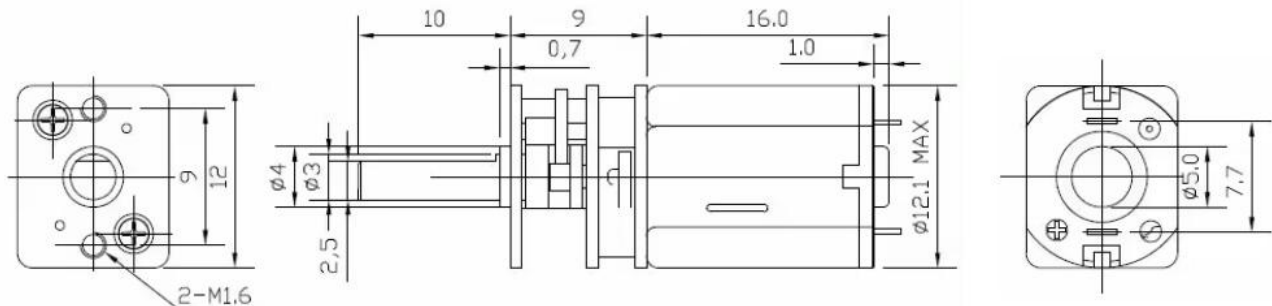
MG12R

Motor size: $\Phi 12\text{mm}$

Typical Application: Intelligent robot,
intelligent manipulator, intelligent
furniture Intelligent focusing system,
miniature gimbal



Dimension



Specification DC 12V Max power 0.9W

Model	No Load Current (mA)	NoLoadSpeed (rpm)	Rated Speed (rpm)	RatedTorque (Kg.cm)	Rated Current (mA)	StallTorque(Kg.cm)	StallCurrent(A)	GearRatio
MG12A12R-122200	≤60	2200	1000	0.1	≤220	0.15	≤0.4	10:1
MG12A12R-121100	≤60	1100	500	0.15	≤220	0.28	≤0.4	20:1
MG12A12R-120730	≤60	730	380	0.2	≤220	0.4	≤0.4	30:1
MG12A12R-120440	≤60	440	230	0.4	≤220	0.65	≤0.4	50:1
MG12A12R-120220	≤60	220	130	0.8	≤220	1.3	≤0.4	100:1
MG12A12R-120145	≤60	145	85	1.2	≤220	1.9	≤0.4	150:1
MG12A12R-1201025	≤60	105	60	1.6	≤220	2.5	≤0.4	210:1
MG12A12R-120073-298	≤60	73	42	2.3	≤220	3.0	≤0.4	298:1
MG12A12R-120058-380	≤60	58	34	3.0	≤220	4.0	≤0.4	380:1

Specification DC 6V Max power 0.2W

Model	No Load Current (mA)	NoLoadSpeed (rpm)	Rated Speed (rpm)	RatedTorque (Kg.cm)	Rated Current (mA)	StallTorque(Kg.cm)	StallCurrent(A)	GearRatio
MG12A12R-061000	≤45	1000	700	0.05	≤100	0.07	≤0.2	10:1
MG12A12R-060500	≤45	500	350	0.09	≤100	0.12	≤0.2	20:1
MG12A12R-060330	≤45	330	200	0.12	≤100	0.2	≤0.2	30:1

MG12A12R-060200	≤45	200	120	0.2	≤100	0.32	≤0.2	50:1
MG12A12R-060100	≤45	100	65	0.4	≤100	0.7	≤0.2	100:1
MG12A12R-060065	≤45	65	45	0.6	≤100	0.9	≤0.2	150:1
MG12A12R-060047	≤45	47	30	0.8	≤100	1.2	≤0.2	210:1
MG12A12R-060033	≤45	33	20	1.15	≤100	1.5	≤0.2	298:1
MG12A12R-060026	≤45	26	17	1.5	≤100	2.0	≤0.2	380:1

Specification DC 6V Max power 0.45W

Model	No Load Current (mA)	NoLoadSpeed (rpm)	Rated Speed (rpm)	RatedTorque (Kg.cm)	Rated Current (mA)	StallTorque(Kg.cm)	StallCurrent(A)	GearRatio
MG12A06R-061550	≤60	1550	900	0.07	≤170	0.16	≤0.6	10:1
MG12A06R-060800	≤60	800	460	0.14	≤170	0.3	≤0.6	20:1
MG12A06R-060530	≤60	530	300	0.2	≤170	0.5	≤0.6	30:1
MG12A06R-060310	≤60	310	180	0.35	≤170	0.8	≤0.6	50:1
MG12A06R-060155	≤60	155	90	0.7	≤170	1.5	≤0.6	100:1
MG12A06R-060105	≤60	105	60	1	≤170	2.2	≤0.6	150:1
MG12A06R-060075	≤60	75	42	1.4	≤170	2.8	≤0.6	210:1
MG12A06R-060052	≤60	52	30	2	≤170	3.0	≤0.6	298:1
MG12A06R-060041	≤60	41	24	2.5	≤170	4.0	≤0.6	380:1

Specification DC 3V Max power 0.1W

Model	No Load Current (mA)	NoLoadSpeed (rpm)	Rated Speed (rpm)	RatedTorque (Kg.cm)	Rated Current (mA)	StallTorque(Kg.cm)	StallCurrent(A)	GearRatio
MG12A06R-030780-10	≤45	780	450	0.03	≤100	0.08	≤0.3	10:1
MG12A06R-030400-20	≤45	400	230	0.06	≤100	0.16	≤0.3	20:1
MG12A06R-030265-30	≤45	265	150	0.1	≤100	0.23	≤0.3	30:1
MG12A06R-030155-50	≤45	155	90	0.17	≤100	0.4	≤0.3	50:1
MG12A06R-030077-100	≤45	77	45	0.35	≤100	0.8	≤0.3	100:1
MG12A06R-030052-150	≤45	52	30	0.5	≤100	1.1	≤0.3	150:1
MG12A06R-030037-210	≤45	37	21	0.7	≤100	1.5	≤0.3	210:1
MG12A06R-030026-298	≤45	26	15	1	≤100	2.8	≤0.3	298:1
MG12A06R-030020-380	≤45	20	12	1.2	≤100	3.5	≤0.3	380:1