

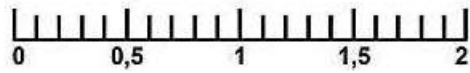
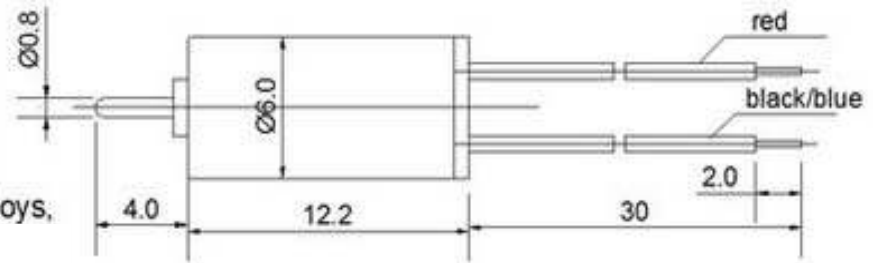
QX-6A 1.3V

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Outline Drawing



Widely used in model aircraft, electric toys, digital camera, and medical devices.



612 Series	Model	001	002	003	004	005	006	007
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Motor data (25°C)

1 Assigned power	W	0.1	0.2	0.5	0.3	0.2	0.1	0.5
2 Nominal voltage	Volt	1.2	1.5	3.7	3.7	3.7	3.7	4.5
3 Terminal resistance	±15% Ohm	3.5	2.5	4.8	7.4	13.5	35	7.6
4 No-Load speed	±12% rpm	22,500	29,000	48,000	41,000	33,000	20,000	43,300
5 No-Load current	≤150% mA	40	50	50	40	20	15	50
6 Speed constant	rpm/V	18,750	19,333	12,973	11,081	8,919	5,405	9,622
7 Torque constant	mNm/A	0.45	0.45	0.69	0.79	0.99	1.52	0.91
8 Starting current	mA	343	600	771	500	274	106	592
9 Stall torque	mNm	0.15	0.27	0.53	0.40	0.27	0.16	0.54
12 Max. efficiency	%	43	51	56	51	53	39	50

At max. efficiency

1 Current	mA	110	170	190	140	65	35	165
2 Torque	mNm	0.05	0.08	0.13	0.11	0.06	0.05	0.15
3 Speed	rpm	15,281	20,783	36,169	29,520	25,174	13,378	31,234
4 Power	W	0.08	0.168	0.495	0.343	0.170	0.074	0.490

At max. output

1 Current	mA	190	330	410	270	145	60	320
2 Torque	mNm	0.09	0.15	0.28	0.21	0.14	0.09	0.29
3 Speed	rpm	10,031	13,050	22,469	18,860	15,541	8,649	19,899
4 Power	W	0.09	0.20	0.66	0.42	0.23	0.08	0.61