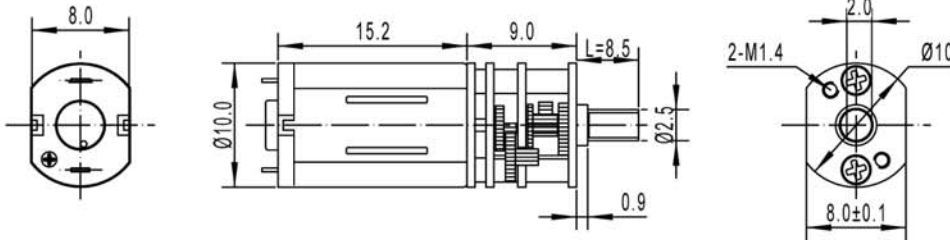


KLS23-GM10-M20VA 10mm gearbox plus M20 motor and 10BY stepping motor

- Small size dc gear motor with low speed and big torque
- 10mm gear motor provide 0.01Nm torque and more reliable
- Suitable to small diameter, low noise and big torque application
- Reduction Ratio: 100、250



Gear Motor Dimensions (mm)



Motor Technical Data

Motor model No.	Rated voltage	No-load speed	No-load current	Rated speed	Rated torque	Rated current	Output power	Stall torque	Stall current
	VDC	r/min	mA	r/min	g.cm	mA	W	g.cm	A
TFF-M20VA-09120	3.0	15700	40	13500	1.0	100	0.14	7.0	0.5
TFF-M20VA-10100	2.4	16800	56	13100	1.7	210	0.23	7.7	0.75
TFF-M20VA-07170	2	8000	25	5900	1	80	0.06	3.5	0.25

Gear motor Technical Data

Gearbox with motor: GM10 - M20VA - 09120 - XXX

Reduction ratio	100	250							
Length mm	9	9							
No-load speed rpm	150	60							
Rated speed rpm	130	50							
Rated torque kg.cm	0.06	0.15							
Max.momentary tolerance torque kg.cm	0.3	0.3							

Gearbox with motor

GM10 - M20VA - 10100 - XXX

Reduction ratio	100	250							
Length mm	9	9							
No-load speed rpm	160	65							
Rated speed rpm	130	50							
Rated torque kg.cm	0.1	0.25							
Max.momentary tolerance torque kg.cm	0.3	0.3							

Gearbox with motor

GM10 - M20VA - 07170 - XXX

Reduction ratio	100	250							
Length mm	9	9							
No-load speed rpm	80	30							
Rated speed rpm	55	22							
Rated torque kg.cm	0.06	0.15							
Max.momentary tolerance torque kg.cm	0.3	0.3							