

GB12**R

Planetary Gearbox Series

Applications: Precision control fields like medical instrument, industrial control and so on.
 Operating temperature range: -10~+80°C

Motor Characteristics

			1230RN51-8-12.0
1	Voltage	V	9.0
2	Terminal resistance	Ω	17.0
3	No-load speed	rpm	6300
4	No-load current	mA	8
5	Stall torque	mNm	7.0
6	Stall current	mA	529
7	Nominal torque	mNm	5.30
8	Nominal speed	rpm	1534
9	Nominal current	mA	402
10	Max. output power	W	1.16
11	Max. efficiency	%	77
12	Back-EMF constant	mV/rpm	1.41
13	Torque constant	mNm/A	13.44
14	Speed/torque gradient	rpm/mNm	899
15	Rotor inertia	gcm ²	1
16	Weight	g	16

Gearbox Characteristics

	Reduction ratio	Max. rated tuorque	Max. momentary torque	Length (L)
		mNm	mNm	mm
1	4	80	240	15.3
2	16	120	360	18.6
3	64	160	480	21.9
4	256	180	540	25.2
5	1024	200	600	28.5
6	4096	200	600	31.8

Outline Drawing

Other Options

UNIT:mm

- Lead wires length
- Shaft length
- Special coils
- Encoder

