

28 series motors

-40 to 180 deg C., 40G vibration; 5Nmm cogging;
EMI – CISPR level-3
Both bush and Ball bearing versions available



Rev	DCN	Description	Date	APPD

Direction of rotation when "-" voltage is applied to the "-" Terminal

No. of slots	5 (skewed)
Motor orientation	Neutral
Test voltage	12±0.1 V DC
No load speed	7200±10%
No load current	0.4 A max
Speed @30 Nmm	5000±10% rpm
Current @30 Nmm	2.4 A Max
Projected stall Torque	95 ±10% Nmm
Projected stall current	7.2 A max
Terminal resistance	1.9 ±10% ohms
Torque constant @RT	16 ±10% Nmm/A
Cogging torque	Average < 4 Nmm
	Peak < 6 Nmm
Axial play (1kg force)	0.05 to 0.3 mm
Radial play	0.2 max

Circuit diagram

Notes

- Brush configuration permits 2mm brush wear
- Motor conform to directive 2002 - 95/EC (ROHS directive)
- Slight rust is allowed on cut edges of Housing

ALL DIMENSION IN MM		Decimal	Angle	Critical	UB Associates Chennai, India
	NOT TO SCALE	±0.1	±1°		
MATERIAL		DATE	10.2.19	NAME 2846 MOTOR	
MATERIAL SPECIFICATION		CHECKED	crb	ITEM CODE	SIZE/TYPE
TREATMENT / FINISH		APPROVED	SU	DWG NO. 7X46 - 00	REV. ISSUE