



NUMBER OF PHASE	绕组相数	3	Wires for phase		
NUMBER OF POLES	极数	2	PHASE U	PHASE V	PHASE W
LINE TO LINE RESISTANCE	线电阻	$5.4 \pm 10\%$ ohms@20° C	YEL	RED	BLK
LINE TO LINE INDUCTANCE	线电感	$0.17 \pm 20\%$ mH@1kHz			
NOMINAL VOLTAGE	额定电压	12 VDC			
NO LOAD SPEED	空载转速	27000 $\pm 10\%$ RPM			
NO LOAD CURRENT	空载电流	0.1 A			
RATED TORQUE	额定转矩	1.6mN.m			
RATED SPEED	额定转速	22000 RPM			
RATED CURRENT	额定电流	0.38A			
PEAK TORQUE	峰值转矩	4.8N.m			
PEAK CURRENT	峰值电流	1.2A			
BACK EMF CONSTANT	反电势常数	0.31 Vrms/kRPM			
TORQUE CONSTANT	转矩常数	4.18N.m/A			
INSULATION CLASS	绝缘等级	B 130° C	AXIAL-FORCE	轴向压力	$F_a = 1.5N$ Max.
DIELECTRIC STRENG	介电强度	360VAC 1SEC	DISTANCE	距离	$a=5$ mm
INSULATION RESIST	绝缘电阻	100Mohm @500VDC	RADIAL-FORCE	径向压力	$F_r = 10N$ Max.
ROTOR INERTIA	转子转动惯量	0.4g.cm ²	SHAFT RADIAL PLAY	径向间隙	0.02mm Max. @4N
WEIGHT	重量	29g	SHAFT AXIAL PLAY	轴向间隙	0.08mm Max. @4N
OPERATION AMBIENT	使用环境	Ambient temperature:-20...+55° C, humidity Max. 85%(No condensation)			
STORAGE AMBIENT	存储环境	Ambient temperature:-10...+35° C, humidity Max. 85%(No condensation)			

A	REV	ECN	NO.	DESCRIPTION	DESIGN	DATE	P/N.
UNLESS OTHERWISE SPECIFIED				TITLE			
TOLERANCES:				SPECIFICATION			
DECIMALS:		ANGULAR:		USED ON			
.X ±0.5		±0°30'		FL16SBL28-12V-270-4A			
.XX ±0.25				DWG NO.			
.XXX ±0.1				REV			
UNIT: mm				A			
DO NOT SCALE				DRAWING			
FIRST ANGLE PROJECTION				SCALE			
SHEET				OF			
				FULLING MOTOR			