

爱立德电子（香港）有限公司

INEED ELECTRONICS (HONGKONG) LIMITED

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QR-QP-17-03

试验名称 Test name	寿命试验 Life test					制 品 名 Product name		BLDC Coin Vibration Motor						试 验 时 间 Test time		开始(start)2026-07-23 结束(End) 2026-08-06					
试验条件 Test conditions	1.Rated voltage: 3.0V DC 2.Test Cycle: 500000 cycles 3.1sON, 2sOFF					型 号 Model No.		C0620BLDC						综合判定 Comprehensive judgment		合格 Qualified					
测定项目 Measurement	规 格 Specifications	1		2		3		4		5		6		7		8		9		10	
		前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change	前/后 Before / after	变化 change
额定电流 Rated Current	3.0 V DC	69.0	1.4%	70.0	1.4%	69.0	0.0%	69.0	-2.9%	69.0	-1.4%	68.0	1.5%	67.0	1.5%	69.0	-1.4%	68.0	2.9%	67.0	3.0%
	80mA Max	70.0		71.0		69.0		67.0		68.0		69.0		68.0		70.0		69.0			
额定转速 Rated Speed	3.0 V DC	19020	5.7%	19260	-1.3%	18690	5.0%	17950	2.2%	18460	-0.7%	18310	3.9%	18210	4.1%	17990	2.2%	19680	-7.9%	17980	8.0%
	13000 rpm Min	20100		19010		19630		18350		18330		19020		18960		18390		18130		19410	
运转次数 Times of operation	cycles	500,000		500,000		500,000		500,000		500,000		500,000		500,000		500,000		500,000		500,000	
判定 Judgment	OK/NG	OK		OK		OK		OK		OK		OK		OK		OK		OK		OK	

在常温常湿下放置4h后，电机性能应符合以下要求。

1)额定转速:指标在初始值±30%以内

2)额定电流:指标在初始值±30%以内。

After 4h exposure in the ordinary temperature and humidity,the motor's performance shoud accord with below requirements:

1)Rated speed:Data±30% Max.

2)Rated current:Data±30% Max.

备 注	实验前后10个马达的启动电压,额定转速,额定电流变化率符合要求,因此此次实验合格 The starting voltage, rated speed and rated current rate of the 10 motors meet the requirements before and after the experiment, so the experiment is qualified.
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