

SHALLIN ELECTRONICS CO., LTD.

類別 TYPES	DC to DC (USB output)	信 賴 性 試 驗 報 告 RELIABILITY TESTING REPORT	客 戶 CUSTOMER	
機種 MODEL	K32087X		試驗日期 TEST DATE	Start: 2012/8/2 Stop: 2012/8/4
試驗目的 OBJECT	<input type="checkbox"/> 新產品確認 <input type="checkbox"/> 設計變更確認 <input checked="" type="checkbox"/> 量產品確認 NEW DESIGN DESIGN CHANGE STORAGE		樣本數 SAMPLES	3 PCS
特殊說明 SPECIFICATION			額定規格 RATING	In: 12-24VDC Out: 1A/5VDC
試驗項目 TEST ITEM	電 氣 壽 命 試 驗 ELECTRICAL LIFE TEST		試驗標準 STANDARD	參考 SCI Standard

項 目 ITEM	規 格 SPEC	TEST RECORD			結 果 RESULTS
		1#	2#	3#	
輸出電壓測試 Output Voltage	輸入電壓：10v ~ 30v 輸出電壓範圍值：5.0v dc±5% (4.75V~5.25VDC)	4.88	4.90	4.98	OK
消耗電流 Current consumption	空載 no load	12V：4.3±10mA	4.24	4.32	OK
		24V：2.5±5mA	2.51	2.52	
	滿載 full load	12V：100±20mA	110.9	100.2	OK
		24V：50±10mA	49.1	53.2	
輸出電壓漣波峰對峰 Output Voltage Ripple	Max 150 mV p-p	80mV	77 mV	83 mV	OK
Overload protection test 過載保護測試	Input: 13.8V, Output: 1A, protection time 輸入 13.8V, 輸出 0.5A 4Hrs	4Hrs	4Hrs	4Hrs	OK
Short circuit of output protection 輸出短路保護	Output is short for 1 min at 12V/24V, and then the product's function will be tested 12V/24V 電壓下輸出短接 1 分鐘, 產品 功能測試無異常	OK	OK	OK	OK
Dielectric strength 耐電壓測試	1500VAC 1min	OK	OK	OK	OK
Voltage of fire up 啟動電壓測試	9V max	5.3	5.1	5.7	OK
Voltage strength 電壓耐受力	30V continuous	OK	OK	OK	OK
	32V 1s	OK	OK	OK	
Temperature rise test 溫升測試	Input: DC12/24V&0.5A, both fuse and housing don't melt after 4hrs 輸入 DC12/24V 0.5A, 4 小時后保險絲與 本體均無融化現象	OK	OK	OK	OK
ESD test 靜電測試	±15kV no broken ±15kV 不損害	OK	OK	OK	OK
最大連續輸出電流 Maximum rated continuous output current	At ambient temperature (25°C), the output current shall be tested After 1hr for maximum resistive load, input voltage 12V, output current 0.5A	0.498	0.489	0.500	OK

Drop Test 落下測試	Single is dropped from a height of 90cm, and the product doesn't damage, and that product's function is OK. 單體,90cm 高度落下,產品未破裂,功能無損壞	OK	OK
	One carton, two corners, four edges, six surfaces, each from a height of 90cm, and the package doesn't damage 一整箱, 兩角,四稜,六面.從 90cm 高度掉下,產品包裝無損壞.	OK	

判定 CONCLUSION	QUALIFICATION : OK REMARKS :
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REVIEWED BY :

TESTED BY: 陶程

DATA: 2012/8/4