

# 广州中逸光电子科技有限公司

## 测试报告

型号: SFA10-S12R3P

日期: 2021-4-15

输出附加电容: 按技术手册加外围电路

制表: 谭永东

测试数据: 7158IC 未有光耦 要求正常启动即可

输入电压	输入电流	输入功率	输出负载		输出电压	效率	纹波	正产启动	过流点	VCC电压	负载调整率	电压调整率	电压精度	结果
90V			空载		12.497		56		1.11A		1.32%	0.08%	0.92%	P符合技术手册要求 □不符合技术手册要求
	0.028	1.29	10%	0.083	12.21	78.6%	90	OK		11.69				
	0.052	2.45	20%	0.166	12.19	82.6%	90	OK						
	0.086	3.63	30%	0.249	12.17	83.5%	90	OK						
	0.117	4.78	40%	0.332	12.15	84.4%	90	OK						
	0.146	6	50%	0.415	12.13	83.9%	112	OK		11.97				
	0.16	7.21	60%	0.498	12.14	83.9%	120	OK						
	0.17	8.4	70%	0.581	12.14	84.0%	132	OK						
	0.185	9.59	80%	0.664	12.13	84.0%	140	NG						
	0.2	10.8	90%	0.747	12.12	83.8%	148	NG						
	0.21	12	100%	0.830	12.11	83.8%	170	NG		12.16				
115V			空载		12.96		56		1.09A		1.32%	0.08%	0.92%	
	0.024	1.33	10%	0.083	12.32	76.9%	90	OK		11.77				
	0.049	2.51	20%	0.166	12.31	81.4%	90	NG						
	0.067	3.68	30%	0.249	12.29	83.2%	90	NG						
	0.092	4.83	40%	0.332	12.319	84.7%	108	NG						
	0.117	6.02	50%	0.415	2.29	15.8%	144	NG		12.04				
	0.137	7.2	60%	0.498	12.25	84.7%	144	NG						
	0.158	8.35	70%	0.581	12.23	85.1%	148	NG						
	0.174	9.52	80%	0.664	12.2	85.1%	176	NG						
	0.195	10.6	90%	0.747	12.15	85.6%	176	NG						
	0.211	11.8	100%	0.830	12.12	85.3%	176	NG		12.08				
			空载		12.5		80							

230V	0.011	1.56	10%	0.083	12.26	65.2%	96	OK	1.15A	11.75		
	0.018	2.87	20%	0.166	12.23	70.7%	108	OK				
	0.026	4.37	30%	0.249	12.27	69.9%	120	OK				
	0.053	5.05	40%	0.332	12.23	80.4%	144	OK				
	0.061	6.25	50%	0.415	12.23	81.2%	144	OK		12.03		
	0.078	7.46	60%	0.498	12.22	81.6%	148	OK				
	0.087	8.61	70%	0.581	12.19	82.3%	156	OK				
	0.1	9.75	80%	0.664	12.16	82.8%	172	OK				
	0.1	10.9	90%	0.747	12.14	83.2%	176	OK				
	0.11	12.1	100%	0.830	12.11	83.1%	176	OK		12.1		
264V			空载		12.56		104	OK	1.19A			
	0.014	1.57	10%	0.083	12.23	64.7%	104	OK		11.74		
	0.028	2.76	20%	0.166	12.199	73.4%	104	OK				
	0.034	3.97	30%	0.249	12.22	76.6%	128	OK				
	0.048	5.24	40%	0.332	12.21	77.4%	140	OK				
	0.063	6.34	50%	0.415	2.2	14.4%	148	OK		12.06		
	0.068	7.56	60%	0.498	12.21	80.4%	160	OK				
	0.067	8.7	70%	0.581	12.18	81.3%	164	OK				
	0.08	9.87	80%	0.664	12.16	81.8%	180	OK				
	0.087	11	90%	0.747	12.13	82.4%	180	OK				
0.089	12.20	100%	0.830	12.11	82.4%	180	OK	12.09				
耐压	输入-输出 3kvac5mA OK			输入-地 /				输出-地 /				
产品老化	负载: 0.83A			老化结果: 1H OK				效率83% 老化后保持在83%				
产品温升测试:	环境温度			环境湿度			额定负载工作0.5H后产品产品表温			额定负载工作1H后产品产品表温		
	27℃			55%			90摄氏度(变压器)			92摄氏度(变压器)		
产品高低温试验	输入电压		高温	湿度		负载10%-100% 并启动5次						
	90V											
	220V											
	300V											
	输入电压		低温	湿度		负载10%-100% 并启动5次						
	90V					未测						
	220V					未测						
300V												