



宁波市明微电子有限公司
Ningbo Micromile Electronics Co., Ltd

产 品 规 格 书

客户名称 : _____
客户品名 : _____
客户料号 : _____
产品名称 : **LED驱动电源**
产品型号 : **MM-4029D-1000-BM0**
规格书版本: **V1.0**
产品生产商: **宁波市明微电子有限公司**

明微确认			客户确认		
拟 定	审 核	批 准	检 查	审 核	批 准
			合格口		
			不合格口		

公司地址: 宁波慈溪市龙山镇慈龙东路 433 号上官实业(四楼)明微电子
电话/Tel: +86 0574-58995111 传真/Fax:+86 0574-55688058
网址/Web:<http://www.micromile.com.cn>
E-mail / 邮箱: sales@micromile.com.cn

一、产品特性

- ※ 隔离电源，恒流输出，拨码调电流
- ※ 高效率，高 PF 值，低谐波
- ※ 保护功能：短路保护，开路保护，过压保护

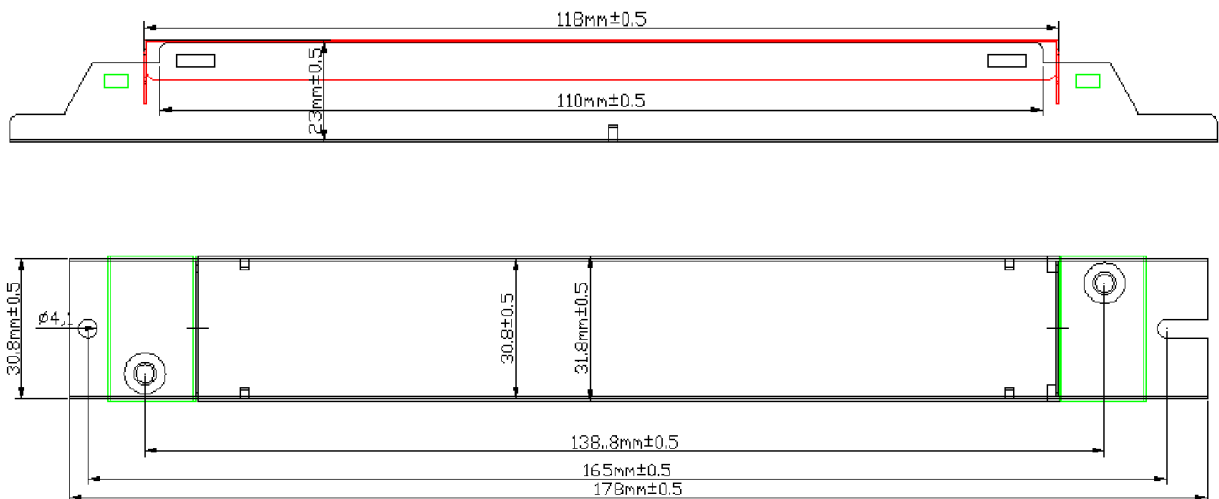
二、电气性能

产品型号		MM-2029D-1000-BMO							
输入性能	输入电压	220~240Vac							
	输入频率	50/60Hz							
	输入电流	<240mA							
	浪涌电流	<50A							
	输入功率	输出电压	30V	36V	42V	输出电压	30V	36V	42V
		1000mA	33W-36.5W	39W-43.5W	45W-49.5W	500mA	16.5W-18.5W	20W-22W	23.5W-26W
	总谐波失真	<20%							
	功率因数	≥0.9(230Vac)							
效率	87%(230Vac)								
输出性能	输出电压	25~42Vdc							
	输出电流	1000mA 500mA							
	电流精度	±5%							
	线性调整率	±5%							
	输出纹波电流	最小值	-516mA	最大值	556mA	峰峰值	1070mA		
	温度漂移	±10%							
	启动时间	最小值 240mS, 典型值 300mS, 最大值 360mS, (230Vac)							
保护功能	开路保护	开路电压<50V							
	短路保护	进入打嗝模式, 短路断开后自动恢复							
环境描述	工作温度/湿度	-25℃~50℃/10%RH~80%RH							
	存储温度/湿度	-40℃~85℃/3%RH~90%RH							
安全及规范	认证	符合: TUV, SAA, CE							
	耐压	I/P-0/P: 3.75KVac, 5mA, 60S I/P-PE: 1.6KVac, 5mA, 60S							
	绝缘阻抗	I/P-0/P: 0.5KVac, >100MΩ I/P-PE: 1.6KVac, >100MΩ							
	浪涌等级	符合 ICE61000-4-5 (L-N: 1KV) (LN-PE: 2KV)							
	EMC	符合 EN55015							
其它	平均无故障时间	Ta25℃ 20000 小时时驱动的失效率<0.5%。							
	尺寸及重量	L*W*H: 178*31.8*23mm, 重量: 140g±10g							
	IP 等级	IP20							
	质保	3 年(温度 Ta: 50℃, 负载≤100%条件下)							
补充说明	1、所有性能参数均在温度 25℃ 情况下, 100% 负载测量的典型值, 特别注明除外。 2、电源作为整灯灯具中的一个零部件与终端设备结合使用, 因 EMC 性能受 LED 灯具及走线的影响, 终端设备制造商需对整套装置重新进行 EMC 确认。								

三、产品外观



四、产品尺寸 (单位 mm)



五、EMC

5.1 传导骚扰/ EN55015 Conduction(QP)

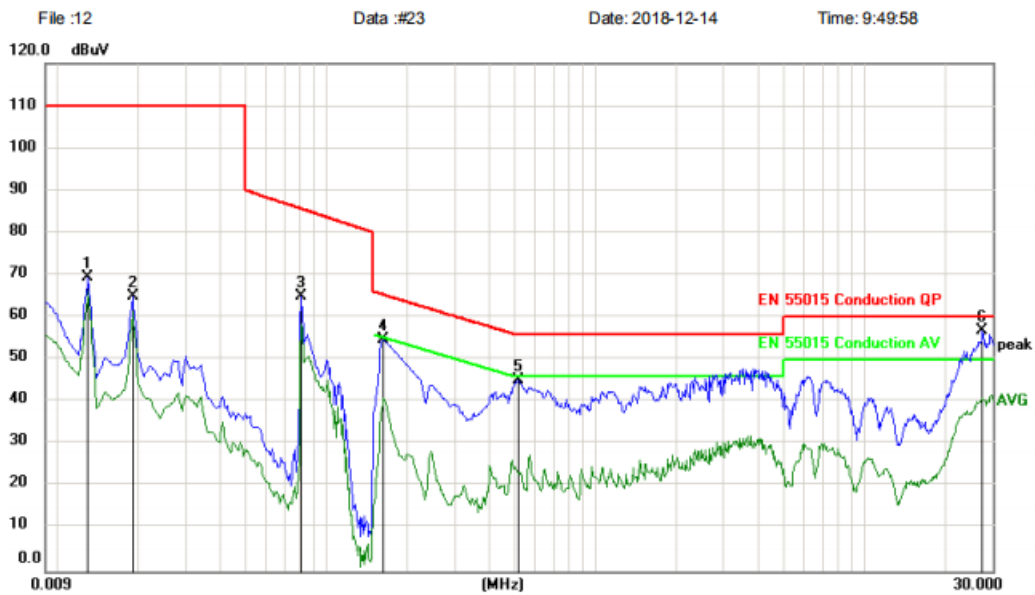
L1: AC230V/50Hz



Shenzhen Alpha Product Testing Co., Ltd.
Building i, No.2, Lixin Road, Fuyong Street,
Bao'an District, 518103, Shenzhen, Guangdong, China

Site LAB	Phase: L1	Temperature: 24.9
Limit: EN 55015 Conduction QP	Power: AC 230V/50Hz	Humidity: 47 %
EUT:		
M/N: MM-4029D-1000		
Mode: Lighting		
Note:		
Engineer Signature:		

Conducted Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.0130	59.56	9.90	69.46	110.0	-40.54	peak	
2		0.0190	55.05	9.87	64.92	110.0	-45.08	peak	
3		0.0810	55.29	9.70	64.99	85.61	-20.62	peak	
4		0.1635	45.08	9.73	54.81	65.28	-10.47	peak	
5		0.5190	35.24	9.79	45.03	56.00	-10.97	peak	
6	*	27.5605	45.80	10.97	56.77	60.00	-3.23	peak	

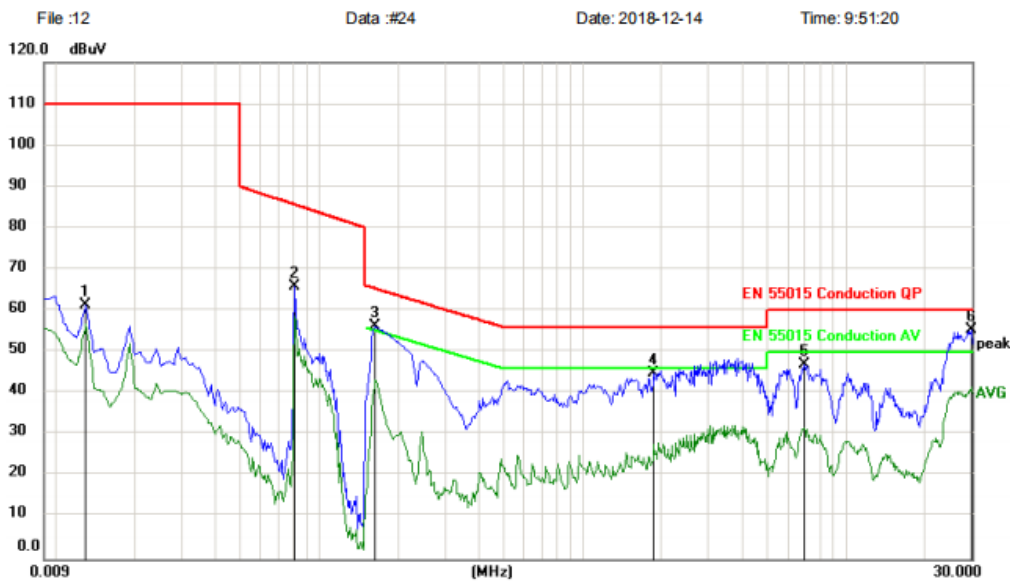
N:AC230V/50Hz



Shenzhen Alpha Product Testing Co., Ltd.
Building i, No.2, Lixin Road, Fuyong Street,
Bao'an District, 518103, Shenzhen, Guangdong, China

Site LAB	Phase: N	Temperature: 24.9
Limit: EN 55015 Conduction QP	Power: AC 230V/50Hz	Humidity: 47%
EUT:		
M/N: MM-4029D-1000		
Mode: Lighting		
Note:		
Engineer Signature:		

Conducted Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.0130	51.39	9.90	61.29	110.0	-48.71	peak	
2		0.0810	56.13	9.70	65.83	85.61	-19.78	peak	
3		0.1635	46.45	9.73	56.18	65.28	-9.10	peak	
4		1.8605	34.96	9.91	44.87	56.00	-11.13	peak	
5		6.9205	36.77	10.27	47.04	60.00	-12.96	peak	
6	*	29.9205	44.13	11.23	55.36	60.00	-4.64	peak	

5.2 辐射骚扰/EN 55015 3m Radiation (QP)

垂直: AC230V/50Hz, 3m



Shenzhen Alpha Product Testing Co., Ltd.
Building i, No.2, Lixin Road, Fuyong Street,
Bao'an District, 518103, Shenzhen, Guangdong, China

Site LAB	Polarization: Vertical	Temperature: 23.9
Limit: EN55015 Radiation	Power: AC 230V/50Hz	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode: MM-4029D-1000-BMO		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :2018 Data :#22 Date: 2018/9/25 Time: 15:58:05



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		131.5592	24.62	13.32	37.94	40.00	-2.06	peak		
2	*	148.9777	23.62	14.47	38.09	40.00	-1.91	peak		

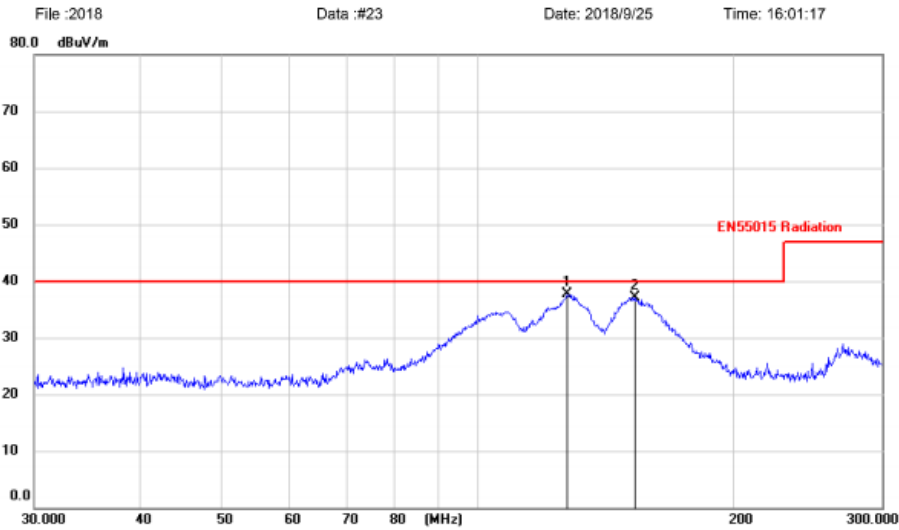
水平: AC230V/50Hz, 3m



Shenzhen Alpha Product Testing Co., Ltd.
Building i, No.2, Lixin Road, Fuyong Street,
Bao'an District, 518103, Shenzhen, Guangdong, China

Site LAB	Polarization: Horizontal	Temperature: 23.9
Limit: EN55015 Radiation	Power: AC 230V/50Hz	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode: MM-4029D-1000-BM0		
Note:		
Engineer Signature:		

Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	127.3859	24.66	13.07	37.73	40.00	-2.27	peak		
2		153.1515	22.58	14.56	37.14	40.00	-2.86	peak		