



Technical Data Sheet

3.0mm Round Type LED Lamps

3294-15SURC/S400-A6

■ Features :

- Choice of various viewing angles
- Available on tape and reel.
- Reliable and robust
- Pb free
- The product itself will remain within RoHS compliant version.



■ Descriptions :

- The series is specially designed for applications requiring higher brightness
- The led lamps are available with different colors, intensities.

■ Applications :

- TV set
- Monitor
- Telephone
- Computer

PART NO.	Material	Emitted Color	Lens Color
3294-15SURC/S400-A6	AlGaInP	Brilliant Red	Water Clear

吴江市智成电子厂

WU JIANG ZHI CHENG ELECTRIC FACTORY

SPECIFICATION FOR APPROVAL

SYTLE（型号）			UL 1007 电子线							
AWG SIZES（规格）			16-30 TS							
APPLICATIONS（应用范围）：USE FOR INTERNAL WIRING OF APPLIANCES 600V PEAK-FOR ELECTRONIC USE ONLY.										
INSTRUCTION(构成)：										
CONDUCTOR	MATERIAL		Soft-annealed tinned copper wire							
	SIZE		30	28	26	24	22	20	18	16
	CONSTRUCTION		7	7	7	11	17	21	34	26
	单支铜丝公差±0.005mm		0.1±0.008	0.127±0.008	0.16±0.008	0.16±0.008	0.16±0.008	0.178±0.008	0.178±0.008	0.254±0.008
	Conductor Diameter		0.31±0.05	0.38±0.05	0.48±0.05	0.61±0.05	0.76±0.05	0.95±0.05	1.2±0.05	1.5±0.05
INSULATION	MATERIAL		PVC Class 43							
	Minimum Thickness		0.33							
	Nominal Thickness		0.38							
	DIAMETER		1.1±0.1	1.2±0.1	1.3±0.1	1.4±0.1	1.6±0.1	1.8±0.15	2.1±0.15	2.4±0.15
	COLOR		OPTIONNAL							
PHYSICAL PROPERTIES	UNAGED	Elongation	100%							
		Strength	1.05 kgf/mm ²							
	AFTER AGING	Elongation	65%(121±1.0℃×168Hr)							
		Strength	70%(121±1.0℃×168Hr)							
CONDUCTOR RESISTANCE (Ω/KM,20℃)			381	239	150	94.2	59.4	36.7	23.2	14.6
INSULATION RESISTANCE			>0.232M Ω /kft							
DIELECTRIC-WTTHSTAND TEST			2,000V							
SPARK TEST			3.000V							
HEAT SHOCK TEST			Not any cracks(121±1.0℃)							
DEFORMATION TEST			T2/T1>0.50(121±1.0℃)							
COLD-BEND TEST			Not any cracks(-20±2.0℃)							
FLAME TEST			VW-1							
MARKING			E237831 兄 AWM 1007 (16-30)AWG 80℃ 300V VW-1 C兄 AWM I A 80℃ 300V FT1 ZHICHENG LM							

审核: 刘中见

制订: 欧景良

ELECTRICAL AND PHYSICAL PROPERTIES(电气性能和物理性能):				
ITEM (项目)			标准值	16-30AWG
CONDUCTOR RESISTANCE (20℃ 导体电阻)			参照第二页	
INAL. RESISTANCE (绝缘电阻)			10 MΩ /KM ↑	
SPARK TEST (火花测试)			3KV/0.15S NO BREAKING	
INSULATION (绝缘)	UNAGED (老化前)	TENSILE STRENGTH (抗张强度)	Min	1500PSI ↑
		ELONGATION (伸长率)	Min	100% ↑
	AGED (老化后)	TENSILE STRENGTH (抗张强度)	Min	70% ↑
		ELONGATION (伸长率)	Min	65% ↑
JACKET (外被)	UNAGED (老化前)	TENSILE STRENGTH (抗张强度)	/	
		ELONGATION (伸长率)	/	
	AGED (老化后)	TENSILE STRENGTH (抗张强度)	/	
		ELONGATION (伸长率)	/	
DEFORMATION TEST (加热变形)		INSULATION	50% ↓	
		JACKET	/	
COLD BEND TEST (冷挠测试)			—10±1℃/1HR NO CRACKING	
HEAT SHOOK TEST (热挠测试)			121±1℃/2HR NO CRACKING	
FLAME TEST (耐燃测试)			PASS VW-1	
CABLE IDENTIFICATION (线材鉴定):				
E237831 兄 AWM 1007 (16-30)AWG 80℃ 300V VW-1 C兄 AWM I A 80℃ 300V FT1 ZHICHENG LM				
CABLE CONSTRUCTION DRAWING (线材结构草图):				
导体 CONDUCTOR 绝缘 INSULATION				