

生鑫電子

RF 天線 (RF antenna)

UL 1007 AWG 28



二、性能參數 (Performance parameters)

頻率范圍(Frequency range): 915MHz 增益(Gain): 2.5 Db ± 2Db
 輸入阻抗(Input impedance): 50 Ω 最大功率(Maximum power): 10.8dB
 線徑(Wire diameter) : 1.2 mm 長度(length): 160 ±0.5 mm
 接口形式(Interface form): 直接焊接 direct welding
 天線顏色(Antenna color): 黑色(black)

產品特性規範：

適用範圍(Scope of application)：電子、電器設備內部配線(Internal wiring of electrical equipment)

產品認證 certified product	生產依據標準 Production based on standard	UL 生產結構標準 UL Production structure standards	CSA 生產結構標準 CSA Production structure standards
UL 1007 File No : E193578 CSA TR-64 File No : LL112407	UL758 CSA C22.2 No.	導體：單蕊或絞線 32-16AWG 裸銅或鍍錫銅 Conductor: single core or stranded 32-16AWG bare copper or tinned copper	導體：單蕊或絞線 28-14AWG 裸銅或鍍錫銅 Conductor: single core or stranded 28-14AWG bare copper or tinned copper
		絕緣體：PVC 聚氯乙烯 Insulator: PVC	
		火花測試：3000V Spark test: 3000V	
		額定溫度 80°C Rated temperature 80 °C	額定溫度 90°C Rated temperature 90 °C
		額定電壓 300V Rated voltage 300V	額定電壓 300V Rated voltage 300V
耐燃：VW-1 垂直型耐燃測試標準 Fire: VW-1 vertical flame test standards	耐燃：FT1 垂直型耐燃測試標準 Fire: FT1 vertical flame test standards		
絕緣體厚度：平均 15mils ↑ 最小任一點 13mils ↑ Insulator thickness : average 15mils ↑ minimum point 13mils ↑	絕緣體厚度：平均 0.38mm ↑ 最小任一點 0.33mm ↑ Insulator thickness : average 0.38mm ↑ minimum point of any point 0.33mm ↑		
老化前 Before aging：抗張強力 Anti-Zhang strong 1500PSI ↑ 伸長率 Elongation 100% ↑ 老化後：After aging 抗張殘率 70% ↑ 伸長殘率 65% ↑ Anti-residual rate of 70% ↑ elongation of residual 65% ↑	老化設定標準：設定溫度 113°C 時間 168HR Aging setting criteria: Set temperature 113 °C time 168HR		

電子線規格(Specifications of electronic wire)：

UL Style & CSA Type	AWG	Conductor	Insulation	Nominal	容許 電流 (A)	Max. Cond.
		Composition NO./mm	Thickness mm	O.D. mm		Resistance★ Ohm/kft
UL1007 CSA TR-64 (Stranded) 多蕊鍍錫絞銅線	28	7/0.127	0.38	1.20±0.05	3.0	72.8
	26	7/0.16	0.38	1.30±0.05	4.0	45.8
	24	11/0.16	0.38	1.45±0.05	5.3	28.7
	22	17/0.16	0.38	1.60±0.05	7.2	18.1
	20	21/0.18	0.38	1.85±0.05	9.4	11.2
	18	34/0.18	0.38	2.10±0.05	12.5	7.06
UL1007 CSA TR-64 (Top-coated) ATC 先絞後鍍錫銅	26	7/0.160	0.38	1.30±0.05	4.0	45.8
	24	7/0.200	0.38	1.45±0.05	5.3	28.7
	22	7/0.254	0.38	1.60±0.05	7.2	18.1
	20	7/0.320	0.38	1.85±0.05	9.4	11.2
	18	7/0.386	0.38	2.10±0.05	12.5	7.06
	16	7/0.488	0.38	2.30±0.05	15.9	4.45
UL1007 CSA TR-64 (Solid) 單蕊鍍錫銅	26	1/0.404	0.38	1.25±0.05	4.0	43.5
	24	1/0.511	0.38	1.32±0.05	5.3	27.3
	22	1/0.643	0.38	1.50±0.05	7.2	17.2
	20	1/0.813	0.38	1.65±0.05	9.4	10.7
	18	1/1.024	0.38	1.85±0.05	12.5	6.77
	16	1/1.290	0.38	2.10±0.05	15.9	4.26

★ Conductor resistance is measured at 20°C

◎系列外規格和結構，可由供需雙方商定

ASTM American Society for Testing and Material.

美國材料試驗協會

VW-1 Pass a vertical flame test.

垂直耐燃試驗合格

OSHA Occupational Safety and Health Administration. 職業安全及衛生管理局