



## CLF5013

Core Flux for Lead Free Alloy  
免清洗焊剂芯无铅焊料

### PRODUCT SPECIFICATIONS

The core flux is compatible with Singapore Asahi's main patented lead free alloy, Viromet 349 and Viromet 347. Also available with other lead free alloys type such as Sn96.5/Ag3.5, Sn99.3/Cu0.7 and SCS7. CLF5013 solder wire is commonly available in various diameters such as 0.25, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0, 1.2, 1.6 and 2.0 mm.

### 产品规格

CLF 5013 是为了配合新加坡朝日主要专利的无铅焊料, Viromet 349 和 Viromet 347所研发的。也可用于其他无铅焊料合金如: 锡96.5/银3.5, 锡99.3/铜0.7和锡/铜0.7/硅。CLF 5013 焊丝可以有0.25, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0, 1.2, 1.6 和 2.0 mm 等不同线径。

	Specifications 特性	Industry Classifications 标准规格
Flux Content 焊剂含量	3.0 +/- 0.3 wt%	新加坡朝日
Density @ 25°C 比重 @ 25°C	0.866	新加坡朝日
Silver Chromate Test 铬酸银测试法	不含卤素	ANSI/J-STD 004 / JIS Z 3197
Water Extract Resistivity 水萃取电阻率	> 1.8 X 10 <sup>5</sup> Ω-cm	JIS Z 3197
Surface Insulation Resistance 表面绝缘电阻值 (助焊剂)	>1 x 10 <sup>9</sup> Ω (85°C/85%RH/168Hours) >1 x 10 <sup>12</sup> Ω (40°C/90%RH/168Hours)	ANSI/J-STD 004/ JIS Z3197
Electromigration 表面离子迁移绝缘电阻值(助焊剂)	> 1 X 10 <sup>9</sup> Ω	ANSI/J-STD 004 (500 小时)
Spread Factor 扩散率	>80.0%	ANSI/J-STD 006 / JIS Z 3197
Wetting Balance Test 润湿性测试	Wetting Time <1 sec 润湿时间 <1 秒	ANSI / J-STD 004
Copper Mirror Test 铜镜测试	Pass, Classified as "M" 合格, 归类为 "M"	ANSI/J-STD 004 / JIS Z 3197
Residue Appearance 残余外观	Transparent & Minimal 少许而透明	新加坡朝日
Dryness Test 干燥测试	Pass 合格	JIS Z 3197

### APPLICATIONS

For repair and touch-up process of assemblies. The flux effectively reduces the surface tension of lead free alloys at a temperature requirement of 330 to 380 °C.

### 使用方法

加工及维修电子元件助焊剂能有效的减少无铅焊料的表面张力。使用温度为 330 - 380 °C。

### RESIDUE REMOVAL

This no-clean formulation does not require cleaning after soldering.

### 残留处理

焊接后, 有少许残留。残留干而透明且不具腐蚀性。因此, 焊接后不需清洗残留。



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