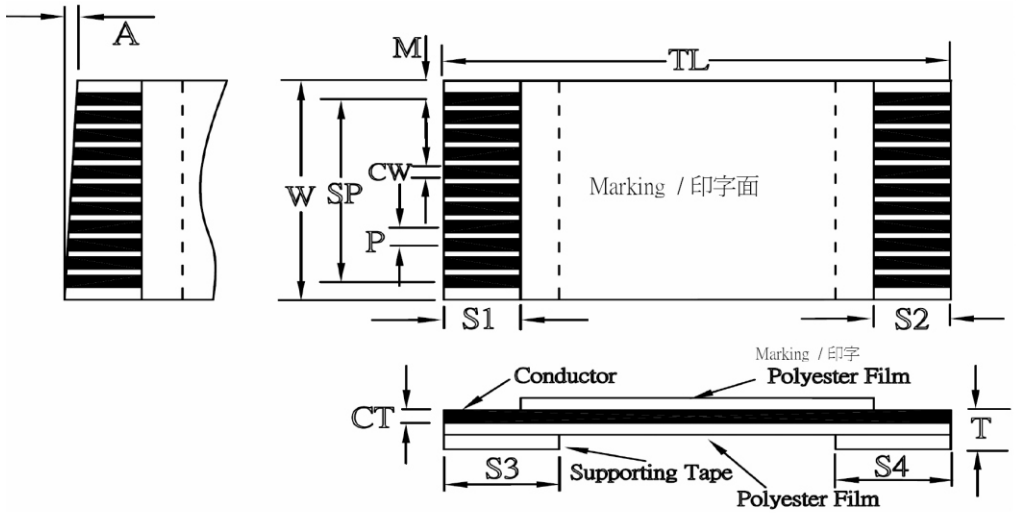
N= No Of Conductor

Note:
*Rohs: Yes
*儲存環境/Storage environment:16c~27c 65RH%




FPA-CA04-025-LF
LEADFREE
RoHS Compliant

## Dimension / 尺寸

| | Item / 項目 | Symbol / 代號 | Range / 尺寸 | Tolerange / 公差 |
|---|---|---|---|---|
| 1 | No of Conductors / 導體數目 | N | 4 | / |
| 2 | Pitch / 導體間距 | P | 1.0 | ±0.1 |
| 3 | Total Length / 總長度 | TL | 25 | ±2.0 |
| 4 | Margin Width / 邊寬 | M | 1.0 | ±0.1 |
| 5 | Terminal Thicknes / 線端總厚度 | T | 0.30 | ±0.05 |
| 6 | Contact Length / 接觸面長度 | S1 | 4 | ±1 |
| | | S2 | 4 | ±1 |
| 7 | Supporting Length / 補強板長度 | S3 | 6 | ±1.5 |
| | | S4 | 6 | ±1.5 |
| 8 | Total Width / 總寬度 | W | 5.00 | ±0.15 |
| 9 | Toal Pitch / 內部總間距 | SP | 3.00 | ±0.10 |
| 10 | Slope / 切口斜度 | A | 0.0 | ＜0.05 |

## Material / 材料

| | Item / 項目 | Specification / 規格 | | Remark / 備註 |
|---|---|---|---|---|
| 1 | Insulation / 膠膜 | UL20706 White | 0.06 | PET |
| 2 | | White | 0.06 | PET |
| 3 | Suppoort Tape / 補強板 | Blue | 0.16 | PET |
| 4 | Conductor / Plating 導體 / 鍍層 | Thickness ( Ct ) | 0.1 | ±0.005 |
| | | Width ( Cw ) | 0.65 | ±0.03 |
| | | Plated | 1~3um | Sn |
| | | / | / | / |
| | | / | / | / |
| | | / | / | / |
| | | / | / | / |
| | | / | / | / |
| | | / | / | / |

## Charateristics / 特性表 UL STYLE 20706

| | Test Item / 測試項目 | Testing Method / 測試方法 | Specification / 規格 |
|---|---|---|---|
| 1 | Conductor Resistance / 導體阻抗 | JIS-C-3102(at20℃) | 0.33 Ω/M MAX. |
| 2 | Insulation resistance / 絕緣阻抗 | Apply the voltage of DC 500V for min | More than 1000MΩ 大於 1000MΩ |
| 3 | Dielectric Srtength / 耐壓強度 | AC 500V, 0.5Ma, 1分鐘,在空氣中相鄰兩導體 | PASS |
| 4 | Continuity Test / 導通測試 | Apply Test DC 3V | No open/Short Citcuit |
| 5 | Rated Current / 額定電流 | / | 2.0A |
| 6 | Rated Voltageg & Temperature / 額定電壓及溫度 | UL Sub, 758 | 60V 105℃ |
| 7 | Operating Temperature / 操作溫度 | Fixed Wiring Condition | -40℃~105℃ |
| 8 | Flammability Test / 耐燃性測試 | UL Sub, 758 V W-1 | PASS |
| 9 | Heat Resistance / 抗熱測試 | 85℃ / 96 hrs | No Trouble with insulation Resistance and withstand voltage 絕緣電阻與耐電壓符合要求 |
| 10 | Humidity Resistance / 抗溼測試 | 40℃ , 95%RH, 96 hrs | |
| 11 | Temperature Cycling Test / 溫度循環測試 | -40℃ for 4hrs--85℃ for 4hrs--25℃ for 1hrs (5 cycle) | |
| 12 | Sliding Test / 柔性測試 | R=Cable thickness | 耐曲折測試≧30cycle |
| 13 | | 15mmR,70 cycle / min , 25mm 往復運動 | 耐曲折測試≧100,000cycle |
| 14 | Abrasion Test / 耐磨測試 | Ø5mm,600g,60cycle/min | Min 10,000cycles 10,000回以上 |

MORETHANALL CONNECTORS ASSEMBLIES
煜倫股份有限公司

| | | | |
|---|---|---|---|
| PART NO. FPA-CA04-025 | | | |
| DWG NO. FPA-CA04-025 | CHECKED BY CY | TOLERANCES ARE X. ± .X ± .XX ± .XXX ± ANG | DESCRIPTION: |
| FILE NO. | DRAWING BY | | |
| UNIT / mm / SCALE 1 : 1 | PROJECTION | | AREA / REVISIONS / DATE |