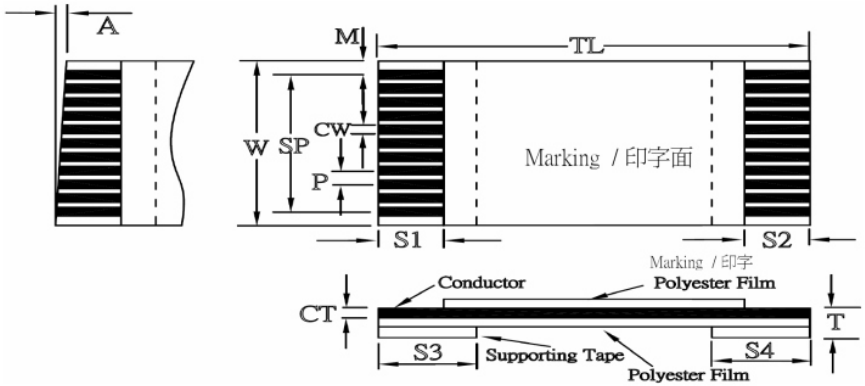
N= No Of Conductor

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



FPA-CA30-457-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	30	/
2	Pitch / 導體間距	P	1.0	±0.1
3	Total Length / 總長度	TL	457	±5.0
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	±2.0
		S4	6	±2.0
8	Total Width / 總寬度	W	31.00	±0.15
9	Toal Pitch / 內部總間距	SP	29.00	±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	UL20624 White	0.043	PET
2		White	0.043	PET
3	Suppoort Tape / 補強板	Blue	0.225	PET
4	Conductor / Plating 導體 / 鍍層	Thickness (Ct)	0.05	±0.005
		Width (Cw)	0.65	±0.03
		Plated	1~3um	Sn
		/	/	/
		/	/	/
		/	/	/
		/	/	/
		/	/	/
		/	/	/

Charateristics / 特性表

UL STYLE 20624

	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℃)	0.62 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	/	1.0A
6	Rated Voltageg & Temperature / 額定電壓及溫度	UL Sub, 758	60V 80℃
7	Operating Temperature / 操作溫度	Fixed Wiring Condition	-40℃~85℃
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-CA30-457			
DWG NO. FPA-CA30-457	CHECKED BY CY	TOLERANCES ARE X. ± .X ± .XX ± .XXX ± ANG	DESCRIPTION:
FILE NO.	DRAWING BY		
UNIT / mm	SCALE 1 : 1	PROJECTION	AREA / REVISIONS / DATE