

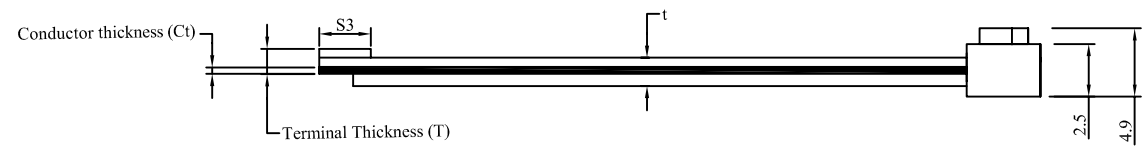
NOTE : 1. HRS Connertor: DF9-31S-1V * 1pcs
 2. Inner Conductor Resistance: 5 Ω
 3. Insulation Resistance: 1M Ω
 4. Housing: Plastic injection 94V-01844

UL Style No : UL2896 / 80° C , 30V

Conductor : Tin Plated Copper Conductor
 Thickness(Ct): 0.05±0.01mm
 Width(Cw): 0.3±0.02mm
 Tin plating thickness: 1~3 μ

Insulation : Polyester (PET) film+adhesive
 PET film thickness: 0.035mm
 PET adhesive thickness: 0.025mm

Supporting tape : Polyester (PET) film+ adhesive
 PET film thickness: 0.188mm
 PET adhesive thickness: 0.032mm



Characteristics	Method	Spec
Conductor Resistance	JIS C-3102	Less than 0.68 Ω/m
Insulation Resistance	DC 500V after 1 min	More than 1,000 MΩ/m
Dielectric Strength	AC 500V for 1 min	No Breakdown
Open/Short Test	Tester DC 3.0V 0.1mA	Pass
Heat Resistance	85°C, 96hrs	Insulation resistance and Dielectric strength pass
Heat Cycle Test	-40°C→+25°C→+85°C→+25°C *12hrs*2cycles	Insulation resistance and Dielectric strength pass
Moisture Resistance	40°C, 95%RH, 96hr	Insulation resistance and Dielectric strength pass
Flame Test	UL VW-1	Pass
Flexing Test	10mmR*10cm*10 cycles/min	More than 30,000 cycles
Bending Test(180°) (clip the point of supporting tape)	±90°C, 60g, 0.5mmR	More than 10 cycles
Abrasion Test	5mm Ø 600g , 60 cycles/min	More than 10,000 cycles

RoHS Compliant

SYMBOL	Pitch	PIN	TYPE	TL	Pt	W	M	T	t	S1	S2	S3	S4
RANGE	0.5	31	D	165	15	16	0.35	0.3	0.17	4		6	
TOLERANCE	±0.05	ditto	ditto	±2.0	±0.08	±0.08	±0.05	±0.03	±0.01	±0.8		±0.8	



PART NO. DF9FPV-3131BS-F6N5

DWG NO. DF9FPV-3131BS-F6N5

CHECKED BY CY

DRAWING BY

TOLERANCES ARE
 .X ± 0.2
 .XX ± 0.1
 .XXX ±
 AWG

DESCRIP TION:

煜倫股份有限公司

UNIT / mm

SCALE 1 : 1

PROJECTION

AREA

REVISIONS

HK

DATE