

1. Product characteristics

1.1 General Description

Model 6A-151DT12A is an universal switching-mode power supply, operating at Input voltage 90VAC to 264VAC and output voltage of 12VDC with 1.0A DC load

1.2 Electric Characteristics

1.2.1 Input

No	ITEM	SPECIFICATION
1.	Rated Input Voltage	AC100V-240V
	Vibration Input Voltage Range	AC90V-264V
2.	Frequency Rated	50-60Hz
	Frequency Vibration	47-63Hz
3.	Input Current Rated	500mA RMS Max
	Inrush Current	NO Damage
4.	Hold Up Time	≥ 10 ms (at 100V ac Full Load)
5.	Turn On Delay Time	≤ 3 Seconds (at 115V ac Full Load)
6.	Leakage Current	< 0.25mA
7.	Average Efficiency	82.96% Min (CEC & DOE LEVEL VI Compliant) 82.96% Min (ErP Compliant) 83.26% Min (EC COC Tier2 Compliant)
8.	Input Power(no load)	<0.1W (CEC & DOE LEVEL VI Compliant) <0.1W (ErP Compliant) <0.075W (EC COC Tier2 Compliant)

1.2.2: Output:

No	ITEM	SPECIFICATION	
1.	Output Voltage	12VDC	
2.	Output max. Current	1.0A	
3.	Output min. Current	0A	
4.	Load Regulation	± 5%	
5.	Over Voltage Protection	NO Damage	
6.	Over Load Protection	NO Damage	
7.	Short circuit protection	Output shut down and auto- recover	
8.	Ripple Voltage	150mV (p-p) (1)	INPUT:100V~240V AC OUTPUT:FULL LOAD

(1)Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uF aluminum electrolytic capacitor and 0.1uF cetamic capacitor.

1.2.3 HI-POT SPECIFICATION

I/P-O/P : 3000Vac OR 4242VDC, 10mA 60Sec. (between primary side and secondary side.)

1.2.4 Insulation resistance:

Input to output: 500Vdc to test the input to output resistance not be less 100M Ohm

1.2.5 Safety (approved) (62368) : CB,LVD , CE

Safety (approved) (60950) : CE

1.2.6 EMI (Meet):FCC PART15B , EN55032 class B ,VCCI –class B**1.2.7 Environmental standard: RoHS compliant**

1.3 Mechanical characteristics:

1.3.1 AC cord : See Reference Att.5

1.3.2 DC cord:

(1) Bending test: Life 1000 times 100% guarantee.

Swings 120 from left to right loading weight 200g , 40 cycle/minute.

(2) Pull test : DC cord and plug ,weight 6kg for 1 minute.

1.3.3 Cord length and output plug: See Reference Att.4

1.3.4 Weight : _____ g

1.3.5 Case Size: (L)93.7X (W)47 X (H)26mm

1.4 Environmental Specifications:

1.4.1 Normal operating temperature and humidity

1.4.2 Temperature

Operating: 0°C to 40°C

Storage : -10°C to 70°C

1.4.3 Humidity

Operating : 20% to 80%

Storage: 10% to 90%

2.Attachment:

(Att.1/1.1) Label

(Att.2) Outdrawing

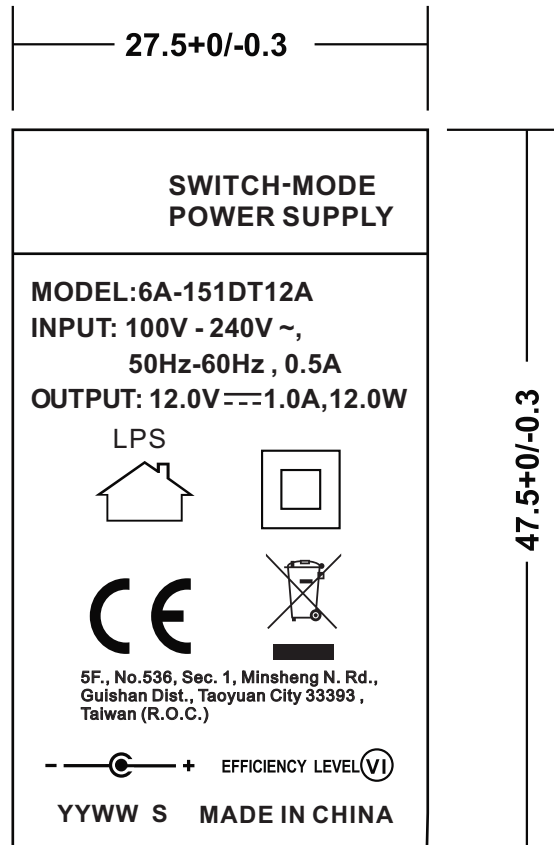
(Att.3) Package

(Att.3.1) Package Flow Chart

(Att.4) Dc Cord Drawing

(Att.5) Ac Cord Drawing

Att.1



Production note:

生產注意:

- 1) PDF file is only for content checking while mass production film version is subject referred to CoreIDRAW files ;
PDF檔僅為內容核對用, 銘版生產出菲林請用CoreIDRAW檔;
- 2) The manufacturer must ensure the PDF file content of the file drawing No. / version / date / label version are exactly same as CoreIDRAW file Drawing.
生產商必需確認PDF檔與CoreIDRAW檔圖號/版本/日期/銘版內容完全一致.

UNIT: mm

YYWW S YY:YEAR WW:WEEK S:FU YONG

ALUMINUM NAMEPLATE: ○ BLACK WORD ON SILVER BASE (銀底黑字)
鋁板

○ SILVER WORD ON BLACK BASE (黑底銀字)

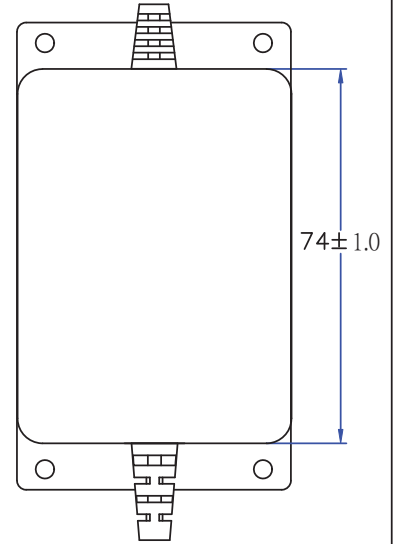
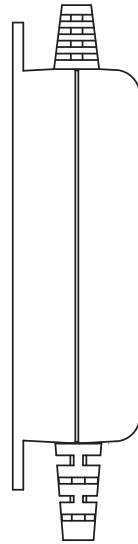
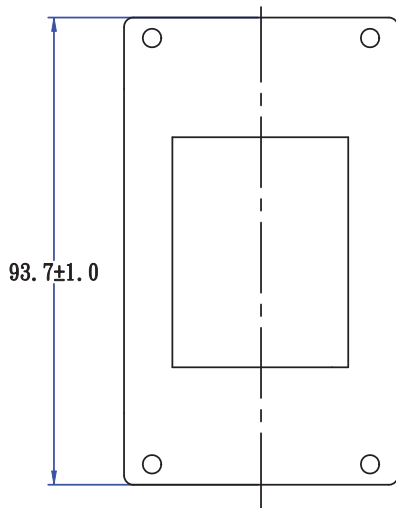
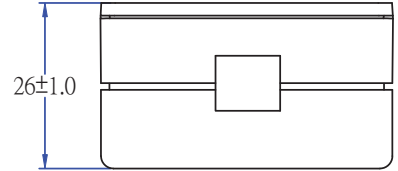
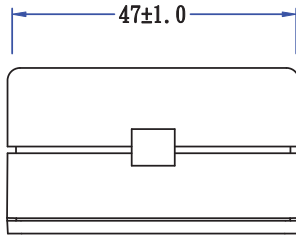
METALIZED POLYESTER: ○ BLACK WORD ON SILVER BASE (銀底黑字)
消銀龍
(SILVER MATTE) ● SILVER WORD ON BLACK BASE (黑底銀字)

6A-151DT12-A23

TOLERANCE				

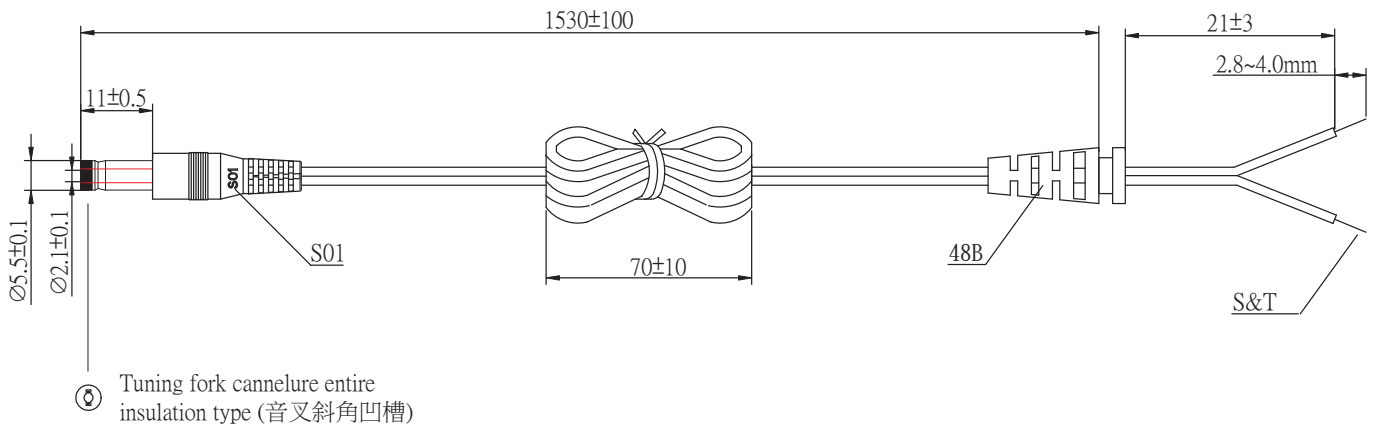
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			UNITS	mm	DRAWING NO.
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DRAWING NAME					REVISION
1209					01

Att.2



				TOLERANCE			
DESIGNED		CHECKED		APPROVED		TITLE	
						OUTDRAWING	
						DATE	
				UNITS	mm	DRAWING No.	
				SCALE		120611-001	
						DRAWING NAME	
						120611	
						REVISION	
						01	

Att.4



#20AWGX2C UL2468 HAVE ON WORD WIRE IN OUTER, NO WORD WIRE IN INNER(有字接外，無字接內)

OD: Ø1.9*3.8

WIRE SPEC	28AWG	26AWG	24AWG	22AWG	20AWG	18AWG	16AWG	14AWG	12AWG
S&T MAX	Ø0.6mm	Ø0.7mm	Ø0.8mm	Ø1.0mm	Ø1.2mm	Ø1.5mm	Ø1.9mm	Ø2.4mm	Ø2.8mm

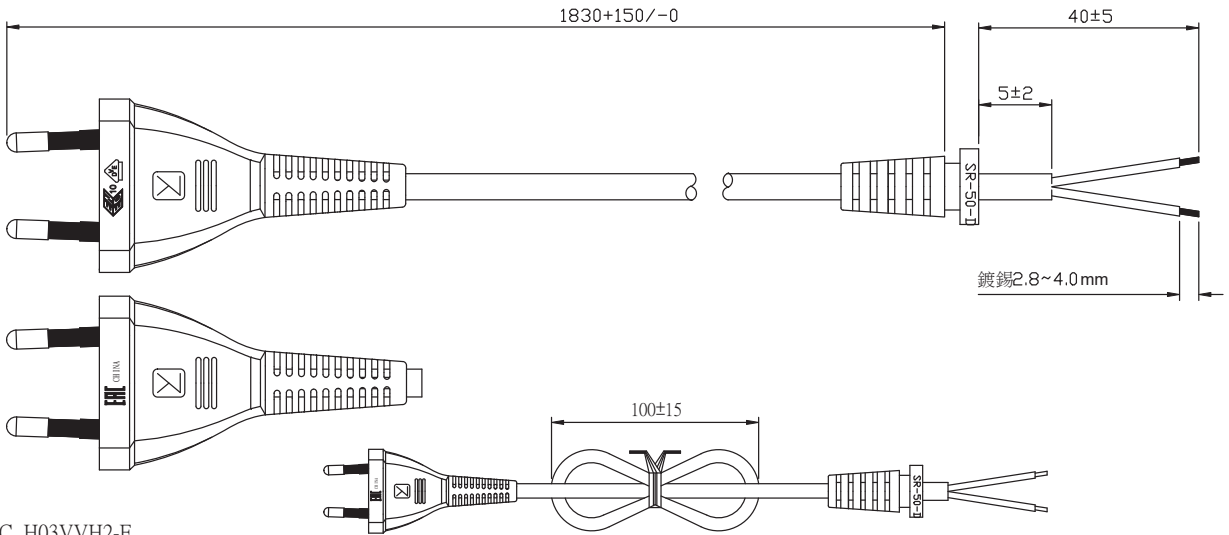
Parameter request	
搖擺測試	a. ±60°
BENDING	b. 吊重200g WEIGHT 200g
TEST	c. 40回/分 40 ROUND/MINUTE
	d. 1000次最少 OVER 1000 COUNT MIN

DESIGNED	CHECKED	APPROVED	UNITS	SCALE
工程 2020.07.17 田密	工程 2020.07.20 田密	工程課長 2020.07.21 劉輕舟		

TITLE	DATE
DC CORD	
DRAWING No.	20/07/17
6A-151DT12-A23	
DRAWING NAME	REVISION
31-48BS01-03B-00	01



若因為安規認證要求而變更標示, 將不另行通知.



歐規 0.75mm² X2C H03VVH2-F

廠商: 永力

WIRE SPEC	28AWG	26AWG	24AWG	22AWG	20AWG	18AWG	16AWG	14AWG	12AWG
S&T(MAX)	Ø0.6mm	Ø0.7mm	Ø0.8mm	Ø1.0mm	Ø1.2mm	Ø1.5mm	Ø1.9mm	Ø2.4mm	Ø2.8mm

DESIGNED 工程 田密 2020.07.20	CHECKED 工程 田密 2020.07.20	APPROVED 工程課長 劉輕舟 2020.07.21		TITLE	AC CORD	DATE
UNITS	mm	DRAWING No.		A074570-05	20/7/17	
SCALE		DRAWING NAME	074570	REVISION	02	