



SA124C-XX

www.sac-ontop.com.tw

24W Switching Adapter Series

Input

Rated Voltage	100 - 240 VAC
Max. Voltage	90 - 264 VAC
Line Frequency	47 - 63 Hz
Current	800mA, at 100-240VAC
Configuration	UL - 2PIN

Output

Model Name	Voltage	Current	Watt	Efficiency
SA124C-12	12V	2.0A	24W	78%
SA124C-24	24V	1.0A	24W	78%
Line Regulation	Less than $\pm 2\%$			
Load Regulation	Less than $\pm 5\%$			
Protections	OCP, OVP & Short circuit			
Ripple Voltage	$\leq 1\%V_o$			

Environment

Operating Temp.	0°C - 40°C
Storage Temp.	-20°C - 80°C
Operating Humidity	20% - 80% (Non-condensing)

Reliability

MTBF	50,000 hrs (by MIL-217 Standard)
Safety	ITE: Meet UL, cUL, PSE

Others

Package	80 pcs/box
Min. Order	1K pcs/lot
Warranty	1 year

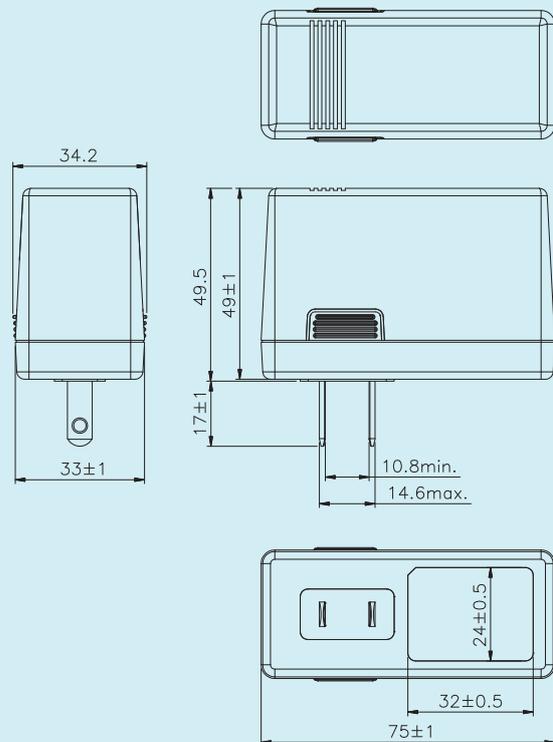
For reference only. For details please contact your local sales representative

Electrical

Topology	Switching Mode
Hi-Pot	3000 Vac/1sec @ 5mA (primary - secondary)
Leakage Current	$\leq 0.25\text{mA}$, at 264VAC/60Hz
Hold Up Time	≥ 8 mSec
Standby Power Consumption	≤ 0.3 Watt (As per CEC Guideline)
EMI	Complies with EMI directives
CEC Requirement	Efficiency Level : IV
Energy Star Requirement	EPS 2.0 (Efficiency Level V)

Mechanical

Case Size	78L x 50W x 30H mm
Case Material	Black, 94V-1 or equivalent
Weight	145 \pm 10 g
DC Cord	4.92ft





SA124C-XXU

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24W Switching Adapter Series

Input

Rated Voltage	100 - 240 VAC
Max. Voltage	90 - 264 VAC
Line Frequency	47 - 63 Hz
Current	800mA, at 100-240VAC
Configuration	IEC-320, C8, 2PIN

Output

Model Name	Voltage	Current	Watt	Efficiency
SA124C-12U	12V	2.0A	24W	78%
SA124C-15U	15V	1.6A	24W	78%
SA124C-24U	24V	1.0A	24W	78%
Line Regulation	Less than $\pm 2\%$			
Load Regulation	Less than $\pm 5\%$			
Protections	OCP, OVP & Short circuit			
Ripple Voltage	$\leq 1\%V_o$			

Environment

Operating Temp.	0°C - 40°C
Storage Temp.	-20°C - 80°C
Operating Humidity	20% - 80% (Non-condensing)

Reliability

MTBF	50,000 hrs (by MIL-217 Standard)
Safety	ITE: UL, cUL, TUV/GS, CB, CE, PSE

Others

Package	80 pcs/box
Min. Order	1K pcs/lot
Warranty	1 year

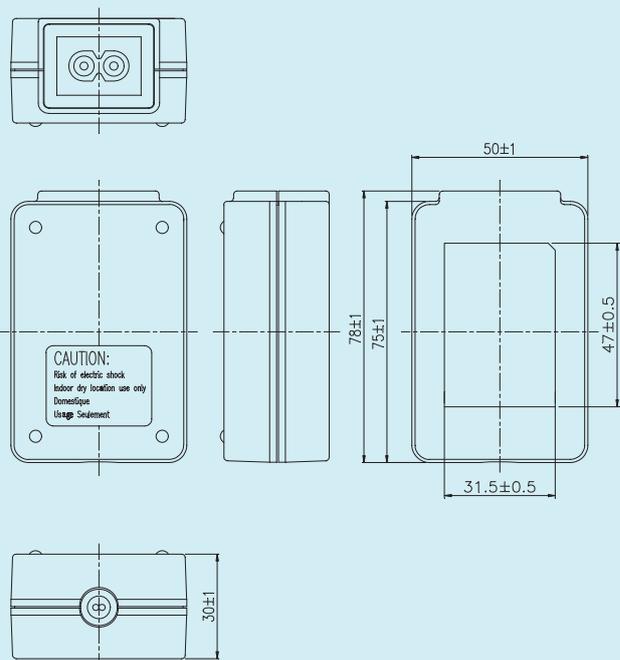
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Electrical

Topology	Switching Mode
Hi-Pot	3000 Vac/1sec @ 5mA (primary - secondary)
Leakage Current	$\leq 0.25mA$, at 264VAC/60Hz
Hold Up Time	≥ 8 mSec
Standby Power Consumption	≤ 0.3 Watt (As per Energy Star & ErP Guideline)
EMI	Complies with EMI directives
Energy Star Requirement	EPS 2.0 (Efficiency Level V)
ErP Requirement	Efficiency Level : Stage 2
MEPS Requirement	Efficiency Level : V

Mechanical

Case Size	78L x 50W x 30H mm
Case Material	Black, 94V-1 or equivalent
Weight	132 \pm 10 g
DC Cord	4.92ft





SA124C-XXV

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24W Switching Adapter Series

Input

Rated Voltage	100 - 240 VAC
Max. Voltage	90 - 264 VAC
Line Frequency	47 - 63 Hz
Current	800mA, at 100-240VAC
Configuration	IEC-320, C14, 3PIN

Output

Model Name	Voltage	Current	Watt	Efficiency
SA124C-12V	12V	2.0A	24W	78%
SA124C-15V	15V	1.6A	24W	78%
SA124C-24V	24V	1.0A	24W	78%
Line Regulation	Less than $\pm 2\%$			
Load Regulation	Less than $\pm 5\%$			
Protections	OCP, OVP & Short circuit			
Ripple Voltage	$\leq 1\%V_o$			

Environment

Operating Temp.	0°C - 40°C
Storage Temp.	-20°C - 80°C
Operating Humidity	20% - 80% (Non-condensing)

Reliability

MTBF	50,000 hrs (by MIL-217 Standard)
Safety	ITE: UL, cUL, TUV/GS, CB, CE, PSE

Others

Package	80 pcs/box
Min. Order	1K pcs/lot
Warranty	1 year

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Electrical

Topology	Switching Mode
Hi-Pot	1800 Vac/1sec @ 5mA (primary - secondary)
Leakage Current	$\leq 3.5mA$, at 264VAC/60Hz
Hold Up Time	≥ 8 mSec.
Standby Power Consumption	≤ 0.3 Watt (As per Energy Star & ErP Guideline)
EMI	Complies with EMI directives
Energy Star Requirement	EPS 2.0 (Efficiency Level V)
ErP Requirement	Efficiency Level : Stage 2
MEPS Requirement	Efficiency Level : V

Mechanical

Case Size	78L x 50W x 30H mm
Case Material	Black, 94V-1 or equivalent
Weight	132 \pm 10 g
DC Cord	4.92ft

