



SA142B-XXV

www.sac-ontop.com.tw

42W Switching Adapter

Input

Rated Voltage	100 - 240 VAC
Max. Voltage	90 - 264 VAC
Line Frequency	47 - 63 Hz
Current	1200mA, at 100-240VAC
Configuration	IEC-320, C14, 3PIN

Output

Model Name	Voltage	Current	Watt	Efficiency
SA142B-12V	12V	3.5A	42W	84%
Operating Humidity	20% - 80% (Non-condensing)			
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)
RoHS & WEEE	Standard

Reliability

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

Others

Package	60 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	1800 Vac/1sec @ 5mA (primary - secondary)
Leakage Current	$\leq 0.25\text{mA}$, at 264VAC/60Hz
Hold Up Time	≥ 8 mSec.
Standby Power	≤ 0.3 Watt
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	110L x 50W x 31H mm
Case Material	Black, 94V-1 or equivalent
Weight	210+-10g
LED Indicator	Option
DC Cord	4.92ft

