



DOE Level VI  
Efficiency Compliant

SBD2 Series

AC/DC Switching Adapter- Single Output

FEATURES

- Meet DOE Level VI Efficiency Requirements
- 2 Year Warranty
- FCC Part 15 Class B, Compliance
- Safety Approvals, EMC compliance
- IEC 60950 / 2nd Edittion
- Regulated Output with Low Ripple Noise
- Convection Cooling

ELECTRICAL SPECIFICATIONS

- Input range : AC 90-264V
- Frequency : 50 - 60 Hz
- Dielectric Withstanding Voltage: 3,000 VAC
- Input current : 2.8 A Max.
- Efficiency : Meets DOE Level VI Requirements
- Maximum power (Po) : 10 - 12 Watts
- Inrush current : 30 A Max. /240Vac
- Ripple & Noise : 1%-2% Vp-p Max at Output Voltage
- Hold-up time : 10ms typical at full load @ 115VAC
- Protection : Over Current Protection ( OCP)  
Short Circuit Protection ( SCP)  
Over Temperature Protection ( OTP)

Dimension : L60.2 × W44 × H26.2mm

SAFETY STANDARDS

- UL, CUL
- CCC
- PSE
- FCC

ENVIRONMENTAL

- Operating temperature : 0°C to +40°C Humidity 20% - 80%
- Storage temperature : -20°C to +85°C Humidity 10% - 90%
- MTBF : 50,000 hours (CalculatedHours at 25°C ambient temperature)

DC OUTPUT & FEATURES

Model	Output Rating	Minimum Load	Maximum Load	PO Max	Average Efficiency
SBD205	+5.0V	0 A	3.0A	15W	85% Min.
SBD206	+6.0V	0 A	2.0A	16.8W	85% Min.
SBD209	+9.0V	0 A	2.0A	18W	85% Min.
SBD210	+10.0V	0 A	1.8A	18W	85% Min.
SBD212	+12.0V	0 A	1.5A	18W	85% Min.
SBD215	+15.0V	0 A	1.2A	18W	85% Min.
SBD224	+24.0V	0 A	1.2A	18W	85% Min.

ORDERING CODE

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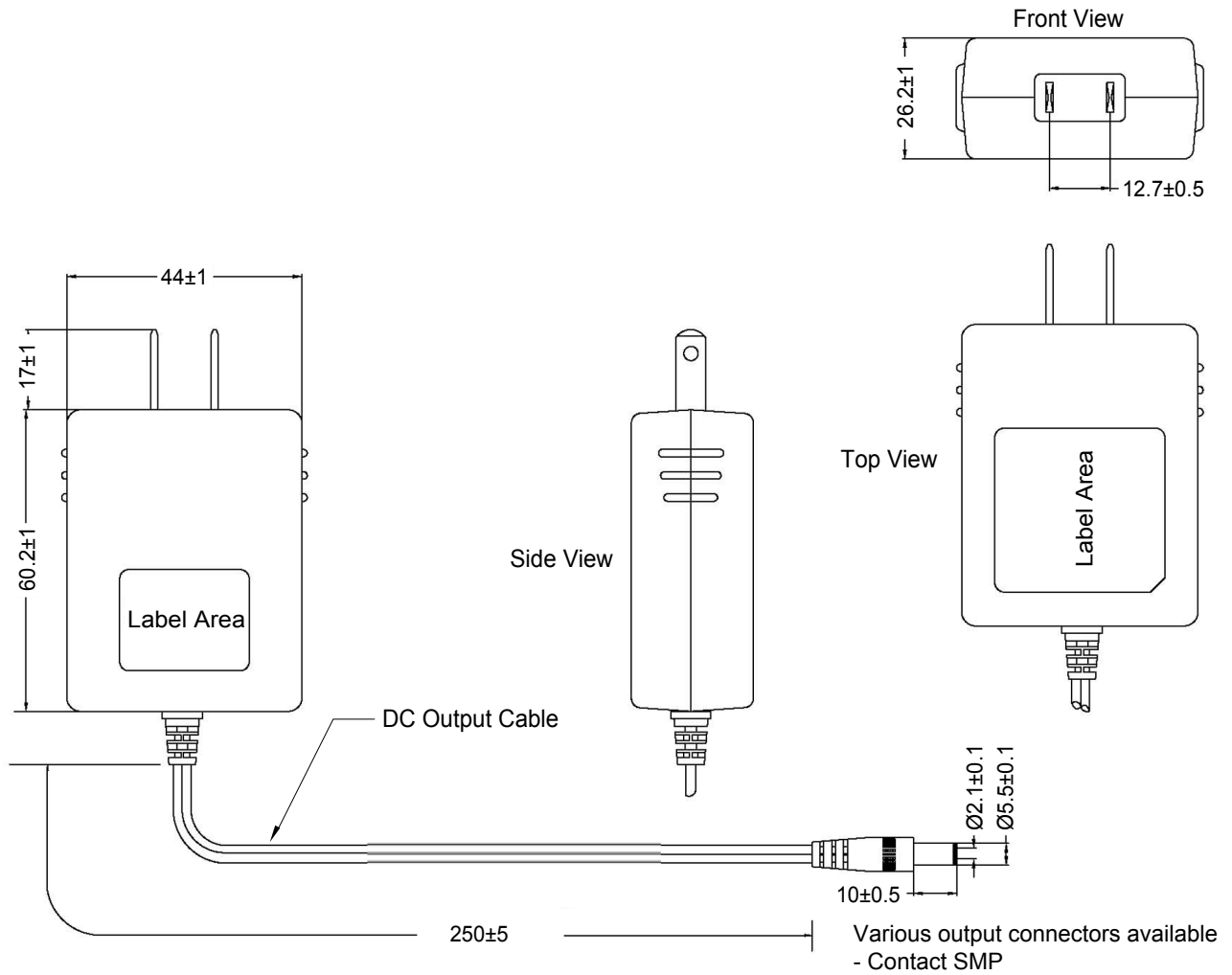


Note: 1. Ripple and Noise are measured at oscilloscope 20MHz bandwidth with a electrolytic 10uF and 0.1uF ceramic capacitor in parallel at the output connector.



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**AC/DC Switching Adapter-Single Output**



**NOTES:**

- CASE COLOR: Black
- PLUG: Type A
- DC CABLE: UL2468 22AWG Length = 250mm
- TOLERANCE:  $\pm 0.5$ mm



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