

Features

- Universal input 100-240VAC
- Approved to UKCA, CE, cULus, RCM (C-Tick) RoHS & REACH
- EN/IEC 62368-1 Safety Approved
- Meets Efficiency Level VI
- FCC Class B Certified
- Single Output 18V DC
- OVP, OCP, OTP & Short Circuit



Ideal Power's 25HK-BE-xAz-D5-RS 40W AC/DC External Desktop Power Supply (PSU) Series are certified to UKCA, CE, RoHS, REACH & EN 62368-1/IEC 62368-1/UL 62368-1 Standards and comply with the relevant Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	RS Part No	Output Voltage	Output Current	Output Power
25HK-BE-180A222-D5-RS	144-0974	18V DC	2.22A	40W

Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	90		264	V AC	100-240VAC +/- 10%
Input Frequency	47		63	Hz	50-60Hz +/- 5%
Input Current		0.8		A	
Inrush Current	0		60	A	At cold start, 100 / 240V AC
Leakage Current			0.25	mA	

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage		5		%	
Ripple & Noise			100	mV	
Over Current Protection					Overload conditions shall decrease the output voltage.
Short Circuit Protection					Auto Recovery
Over Voltage Protection					Will recover if fault condition is removed

Environmental Data

	Min	Typical	Max	Units	Notes
Operating Temperature	0		+40	°C	
Storage Temperature	-20		+80	°C	
Operating Humidity	10		95	%	Operating 10% to 90%
Storage Humidity	10		95	%	Storage 5% to 95%

Other Information

	Min	Typical	Max	Units	Notes
Isolation					AC 3000Vrms, 4mA, 1 Minute for type test.
MTBF		50,000		hrs	
Weight				200 +/-10g	
Dimensions					Refer to mechanical drawings

EMC Emissions (2014/30/EU)

	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	B	EMC Directive 2014/30/EU
Radiated	EN 55032	Pass	B	
Harmonic Standard	EN 61000-3-2		Class D	
Voltage fluctuation	EN 6100-3-3	Pass		Voltage fluctuations & Flicker

EMC Immunity (2014/30/EU)

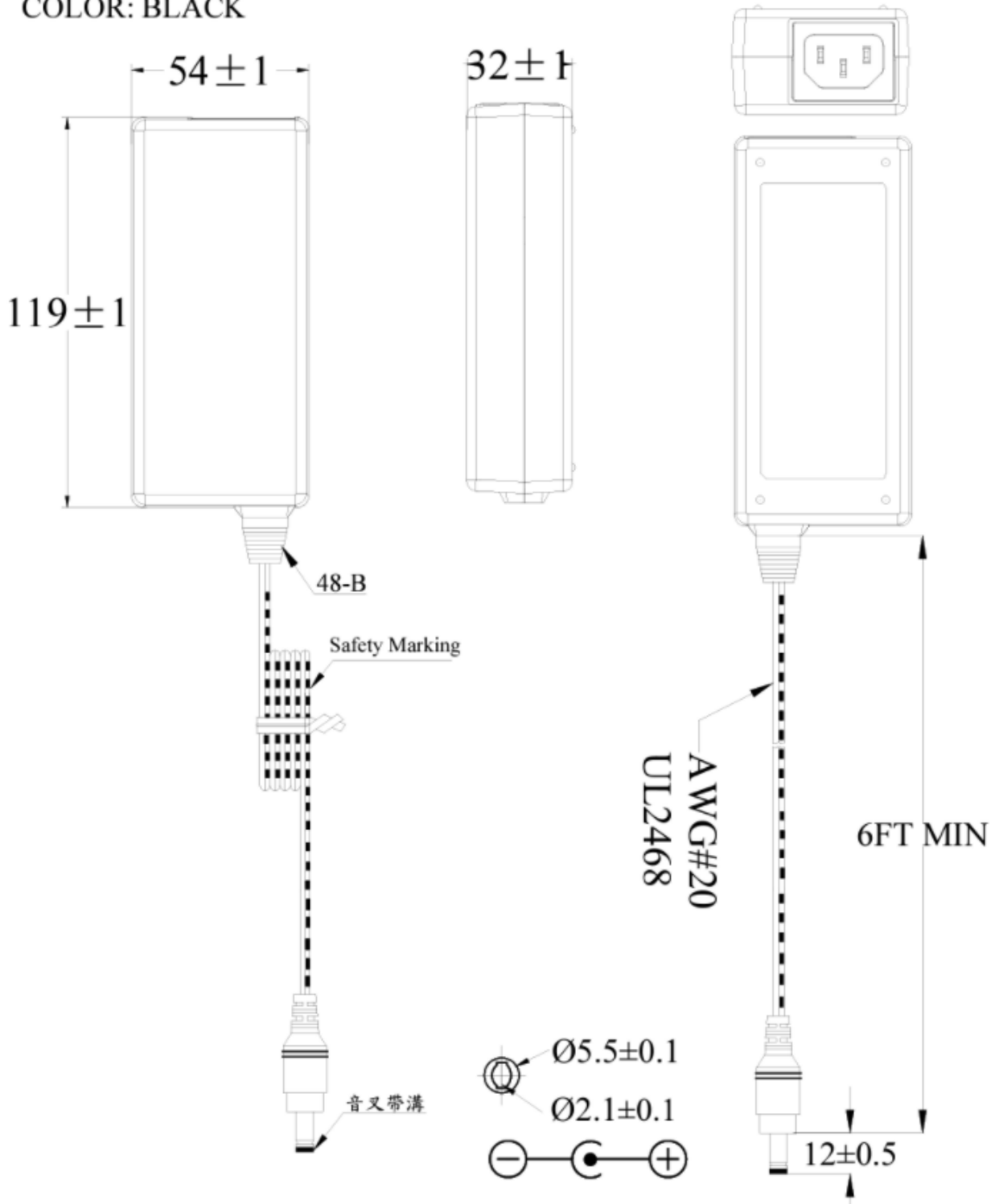
	Standard	Test Level	Criteria	Notes
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3			Frequency: 80-1000MHz; Field Strength: 3V/M ' 80% AM (1KHz)
EFT	IEC 61000-4-4		A/B	0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5		A	Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)
Conducted	IEC 61000-4-6			CS: 0.15~ 80MHz, 3Vrm, 80% AM, 1kHz
PFMF	IEC 61000-4-8			50 Hz or 60Hz, 1A/m
Dips and Interruptions	IEC 61000-4-11			V/D: >95% reduction for 0.5 period VI:>95% reduction for 250 period.

Safety Approvals

	Safety Standards
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European)
cULus	Yes –(US)
TUV	Yes (German/European)
RCM & C-Tick	Yes – (Australian)

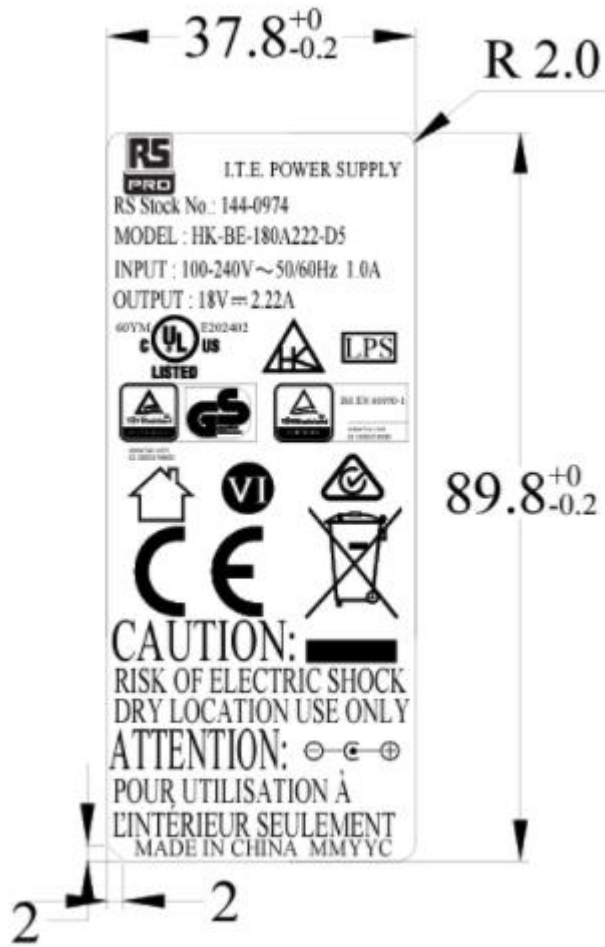
Mechanical Drawing

UNIT: mm
COLOR: BLACK



AC - DC

Label



AC – DC