

## Features

- Universal Input 90~264VDAC
- Direct UK Fixed Plugtop Adapters
- UKCA & RoHS
- BS EN IEC 62368-1
- EMC Class B
- Single Output 12V DC
- OVP, OLP, SCP

## RS PRO Desktop Power Supplies

RS Stock No.: 0625747



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

The RS PRO product is a reliable and efficient 12W External AC/DC UK Plugtop Adapter Power Supply.

Designed for use in applications such as telecoms, computing and multimedia systems.

This Product is supplied with a UK Fixed input connection and supports input voltages of 90~264V AC 50~60Hz.

Certified to UKCA, RoHS and compliant with BS EN IEC 62368-1.

This product is built for seamless integration into complex ITE, audio, and video system environments.

## General Specifications

<b>Input Connector</b>	UK Fixed
<b>Output Connection Type</b>	Jack connector 12 + 0.5mm
<b>Number of Outputs</b>	1
<b>Energy Efficiency Level</b>	VI
<b>Mounting Style</b>	Desktop
<b>MTBF</b>	265.8Khrs min.
<b>Cable Length</b>	1.5m
<b>Medical Approved</b>	Yes

## Electrical Specifications

Input Specifications	
<b>Rated Input Voltage</b>	100~240VAC
<b>Full Input Voltage Range</b>	90~264V AC
<b>Rated Frequency</b>	50/60Hz
<b>Full Frequency Range</b>	50/60Hz
<b>Efficiency</b>	80%
<b>Input Current (RMS Max.)</b>	0.2A/115VAC
<b>Inrush Current</b>	Start 50A/200us at 230VAC 50Hz
<b>Leakage Current (max.)</b>	<0.25mA/230VAC

Output Specifications	
Ripple & Noise (max.)	300mVp-p
Voltage Tolerance	±5.0%
Hold Up Time (Typ.)	1.0s,30ms,25ms/230VAC(at full load)
Operating Humidity	20 ~ 95%RH Non-condensing
Storage Humidity	-40 ~ +85°C,10 ~ 95%RH Non-condensing
Operating Temperature Range	-20 ~ +70°C (Please refer to "Derating Curve" section)
Storage Temperature Range	-20 ~ +70°C

## Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	62 x 48 x 38 mm
Overall Length	62mm
Overall Depth	38mm
Overall Width	48mm

## Protection Category

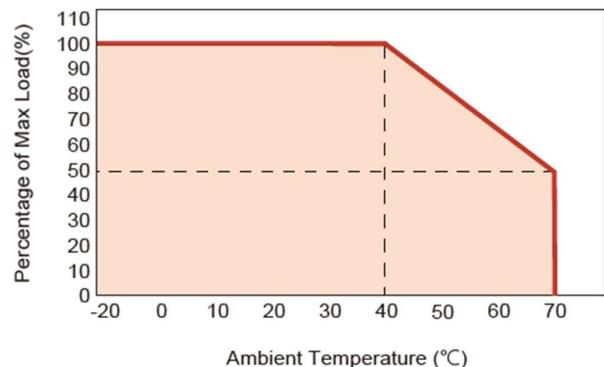
Over Voltage Protection	120~180% Shut down o/p voltage, re-power on to recover.
Over Load Protection	105~150% Hiccup mode, recovers automatically after fault condition is removed
Short Circuit Protection	Yes, Shut down o/p voltage, re-power on to recover.

## Approvals

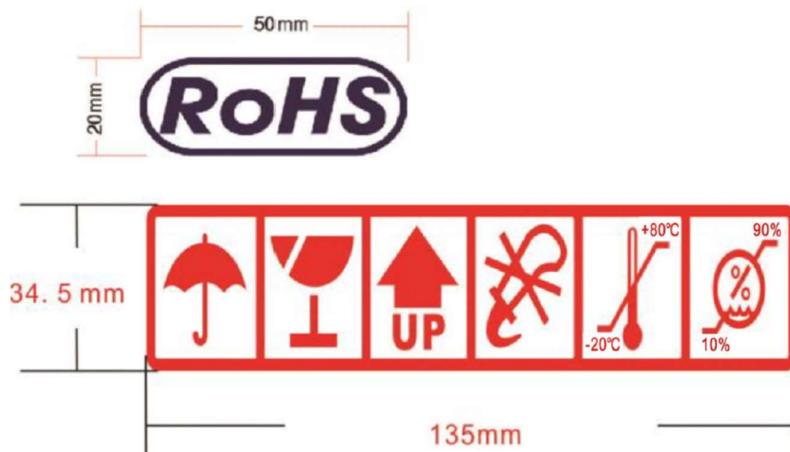
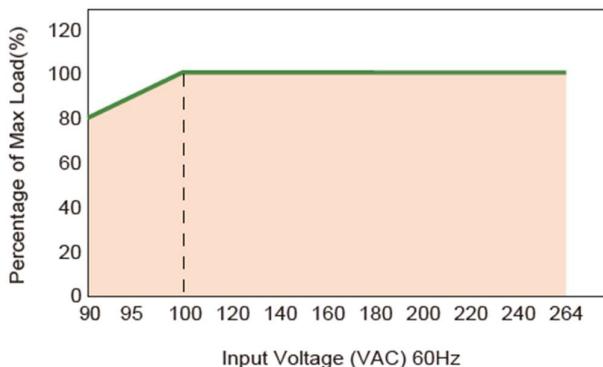
Safety Standard	BS EN IEC 62368-1
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## Feature Curves

1. Derating Curve



2. Static Characteristics



Standard Model : D1J

D1J	Pin Assignment