APK120 SERIES
DC / DC Single Output: 120 Watts

Features
- Wide range of input options
- Convection cooled: No fans
- Low profile 25mm
- Fully encapsulated, ideal for harsh environments
- Fully isolated input – output
- Over voltage protection
- Overload and short circuit protection
- Suitable for a wide range of applications
- MTBF > 200,000hrs
- Specials input / output combinations on request.
- Battery Charging options: Consult office

Specifications:

**Input Voltage**
- 12VDC (10.5 ~ 20)
- 24VDC (18.5 ~ 40)
- 48VDC (36 ~ 72)
- 110VDC (80 ~ 175)
- Other voltages on request

**Input Protection**
- By external fuse

**Input Current**
- 12V 16A (nominal 10A) Recommend Fuse: 20A
- 24V 8A (nominal 5A) Recommend Fuse: 10A
- 48V 4A (nominal 2.5A) Recommend Fuse: 5A
- 110V 2A (nominal 1A) Recommend Fuse: 2.5A

**Input Surge Protection**
- Designed to meet IEC61000-4-4, -5

**Efficiency**
- Model dependent typically 86%

**Voltage Accuracy**
- Voltage setting within 1%

**Output Voltage**
- Refer to table

**Output Voltage Adjustment**
- Fixed Voltage

**Output Protection**
- Current Limiting constant current with hiccup mode

**Thermal Protection**
- Automatic recovery after over temperature condition subsides: typically 105°C case temp.

**Over Voltage Protection**
- Unit latch off, reset by recycling input after 2minutes

**Isolation**
- Input – Output: 1000vdc, Input – Chassis: 1000vdc
- Output – Chassis: 500vdc

**Line Regulation**
- ±0.25%

**Load Regulation**
- ±0.5%

**Output Ripple & Noise**
- Switching frequency ripple 0.25% of V out
- High frequency spike (30MHz BW) 0.5% of V out

**Operating Temp**
- -20°C to +55°C at full load

**Cooling**
- Convection cooled

**Humidity**
- 5 ~ 95% RH Non Condensing

**Shock & Vibration**
- Fully encapsulated, designed to meet MIL-STD 810E

**MTBF**
- >200khrs

**Indicator**
- Green LED

**Terminals**
- Input and Output pluggable terminal block

**Dimensions**
- 90 x 150 x 25mm (W.L.H) 500g

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<table>
<thead>
<tr>
<th>Model</th>
<th>Input V</th>
<th>Output V</th>
<th>Output A</th>
<th>Power W</th>
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<tbody>
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<td>10A</td>
<td>120W</td>
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<tr>
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REV 04-08-08
Finish: Black anodised.

Note: Remove all burr and shape edges
All dimensions in mm unless otherwise stated.