BAP1K5 - SERIES
DC/DC Converter: 1500 Watts

General Specifications

**Input Voltage**
- 24VDC (21 ~ 30)
- 48VDC (42 ~ 60)
- 120VDC (105 ~ 145)
- Other voltages on request

**Input Protection**
- Reverse polarity protection
- Inrush current limiting
- Thermal Fuse

**Isolation**
- Input - Output 1500vdc
- Input – Output 2500vdc (110v input)
- Input – Chassis 1500vdc
- Output – Chassis 500vdc

**Efficiency**
- Model dependent, typically 80%

**Output voltage**
- Any voltage form 12 ~ 125V

**Output Power**
- < 72V outputs = 1440 watts
- > 72V = 1500 watts
- Depending on input V / output V combination

**Parallel Operation**
- Optional

**Voltage adjustment**
- Customer specified, typically 5%

**Regulation**
- Output voltage dependant
  - Typically: ±3-5%

**Output Protection**
- Over voltage protection
- Constant Current limiting & short circuit protection

**EMI**
- EN55022 class A

**Immunity**
- EN61000-4

**Shock & Vibration**
- Designed to meet IEC61373 Cat 1 A & B

**Operating Temp.**
- 0°C to +50°C at full load.
  - +70°C at 50% load.

** Cooling**
- Fan cooled

**Dimensions**
- BAP1K5 varies
  - UT size: 132 x 132 x 316 mm
  - 3U3 size: 187 x 132 x 410mm

Features
- High quality for industrial applications
- Up to 1500 watts output power
- Over voltage protection
- Overload and short circuit protection
- MTBF > 130,000hrs
- Specials output voltage options
- Any output from 24vdc ~ 125vdc possible
- N+1 Redundancy Applications – option
- Output DC Fail alarm -Option
- Battery Charging applications - Option

Description
The BAP1K5 Series DC/DC converter is a mature design product, with a proven track record in many applications over two decades and designed for a wide range of industrial applications.

The unit is equipped with reverse polarity protection on the input, surge protection and input & output filtering.

Optional ruggedizing & conformal coating is available, for immunity to shock, vibration, humidity, moisture, dust and insects.

In addition, a range of options are available, allowing customer’s total flexibility to specify a unit that is specific to their application.

Options

**Output Voltage**
- Special voltage output, up to 125VDC

**Alarm**
- Voltage Free contacts

**N+1 Redundancy**
- Output redundancy diode for parallel operation

**Rack mount**
- Various 19in Rack mount options

Part No Configuration:
- BAP1K5-48/48-UT - (48 / 48V 1440W )
- BAP1K5-120/24-UT - (120 / 24 V 1500W )

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