



MPF 140 1 D 01

APPLICATION : TRANSPORT & TRUCK

INPUT RANGE VOLTAGE : 16V to 34VDC

OUTPUT VOLTAGE : 14VDC @ 10A

TOTAL MAX POWER : 140W

SIZES : 120 x 130 x 40 mm (4.72 x 5.12 x 1.57")

European Directive : 95/54/CE
Meet to 36.00.400/C



ELECTRICAL SPECIFICATIONS

Input

Nominal Input : 24VDC
Input range : 16 to 34VDC
Over current : By fuse 10A
EMI filter: EC 95/54
Susceptibility : 36.00.400/C
ISO/DP 7637-2
Over voltage protection: By Gemov
Reverse Input voltage: By fuse 10A
No Insulation
Efficiency : >90% at 24V

Over output voltage protection : By tranzil

Ripple and noise : <150mV peak to peak at 30MHz

MTBF requirement : >1000.000 h at 25°C

Cooling : Free air convection

ENVIRONMENTAL

Installation in cabin

Humidity: 93% at 40°C

Salted fog : Yes

Storage Temperature range : -40°C to +85°C

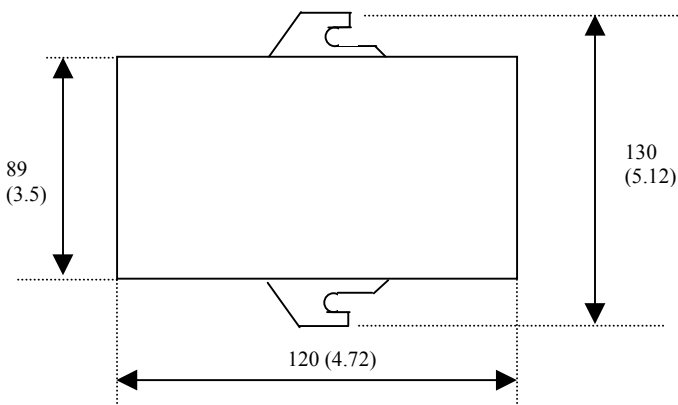
Operating Temperature range : -40°C to +70°C.

Vibrations : meet to IEC 68.2.35, IEC 68.2.6, IEC 68.2.47

Output

Output Voltage	VO
Nominal	14VDC
Tolerance	±0.7V
Current	
Nominal	10A
Limitation	> 12A
Short circuit protection	Yes
Regulation	
Line + Load	< 5%

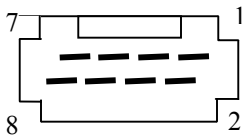
Mechanical drawing



CONNECTOR

Input / Output connector : JPT 8 points

Pinout



- 1: +Vbat 24VDC
- 2: -Vbat 0VDC
- 3: +14VDC
- 4: 0VDC
- 5: +14VDC
- 6: 0VDC
- 7: NC
- 8: NC

Weight : < 0.42kg or 0.93 pounds

- NOTES**
- 1. Specifications subject to change without notice.
 - 2. All dimensions in mm.
 - 3. Warranty: 1 year

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Ref: MPF 140 1 D 01	Issue: A	Date: 14/08/01	Folios:	2/2	