

M076R M077R

Revision: 3R18.10.02
Sheet: R981211C

FEATURES

Input voltage

115/230Vac $\pm 15\%$

Vin jumper selectable on pcb

Input current

1.5A max

Input frequency

50/60Hz

Efficiency

75% typ.

Switching operating frequency

60kHz ca.

Input protections

- Inrush current limitation
- EMI filter and Line fuses

See table for

- Output voltages and currents
- Regulations and noise

Output protections

- Overload protection on all outputs
- Short circuit protection on all outputs

- Overvoltage on output A at $V_o + 25\%$ typ.

Hold up time

20msec min.

Output power

79W (see table)

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50÷70°C)

Storage temperature

-20°C to 85°C

Temperature drift

0.01% typ.

Long term stability

Better than 1% after 24 hours

Cooling

Natural convection

Control and adjustment

- Vout through trimmer on front panel

Test points

Vout test-points on front panel

Operating indicators

- Vout OK on front panel

Dielectric withstand voltage

- Input - Output : 3750Vac (on insul.comp)
- Input - P.E.: 1750Vac

Isolation

- Output - P.E.: 500Vdc

Comply with

- EN 50081-1, EN 61000-6-2, EN 60950
- CE

Optional features

- DC - DC input for AC-DC units
- PF - Power fail/reset signals

Note

The maximum current is within the power rating of the unit

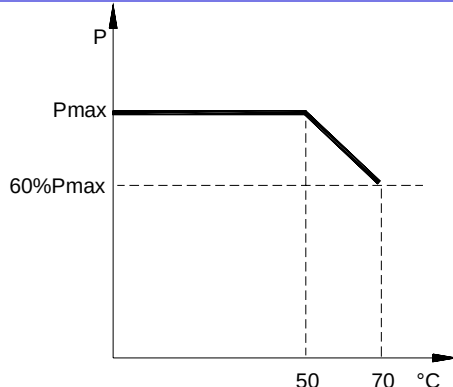
FEATURES TABLE

MODEL	Output Power W	OUT	Vout Volts	Iout Ampere	I _{max} Ampere	I _{min} Ampere	Line regulation VIN(min÷max) %	Load regulation (10÷100%) %	Ripple & Noise (0÷30MHz) % Vo
M076-R	78	A(sw)	5	6	8	0.5	± 0.1	2	1
		B(sw)	12	2.5	3	0.1	± 0.1	± 5	1
		C(sr)	-12	0.5	0.7	0	± 0.1	2	1
		D(sw)	24	0.5	1	0.1	± 0.1	± 6	1
M077-R	79.5	A(sw)	5	6	8	0.5	± 0.1	2	1
		B(sw)	15	2	2.5	0.1	± 0.1	± 5	1
		C(sr)	-15	0.5	0.7	0	± 0.1	2	1
		D(sw)	24	0.5	1	0.1	± 0.1	± 6	1

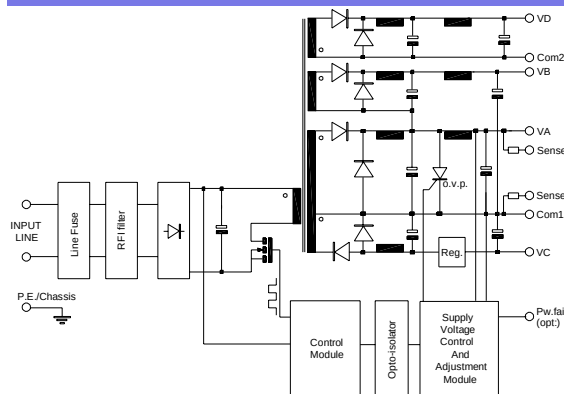
POWER SUPPLY VIEW



TEMP. POWER DERATING



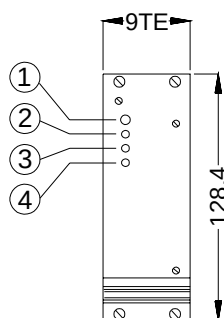
BLOCK DIAGRAM



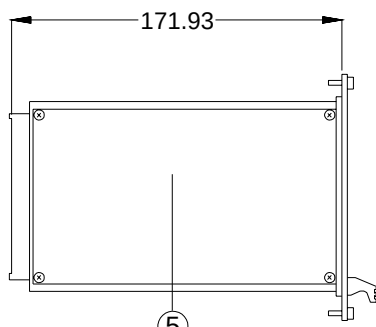
DIMENSIONS AND CONNECTIONS

- 04)VA
06)Sense+
08)COM1
10)COM1
12)Sense-
14)Pw.Fail
16)VB
18)COM1
20)VC
22)VD
24)COM2
26)
28)ACinputN
30)ACinputL
32)P.E.

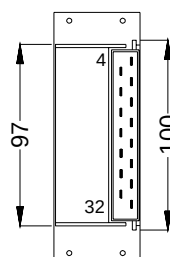
front view



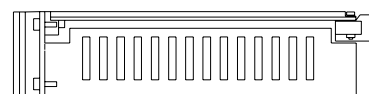
side view



rear view



top view



1)VA adjust trimmer

2)Test point+

3)Led Vout

4)Test point-

5)Soldering side plastic cover