

M086R M087R

Revision: 3P07.10.02
Sheet: C990722

FEATURES

Input voltage

90÷132Vac
187÷264Vac
Vin jumper selectable on pcb

Input current

1A max

Input frequency

50/60Hz

Efficiency

75% typ.

Switching operating frequency

60kHz ca.

Input protections

- Inrush current limitation: 30A at Vin=230Vac
- Line fuses and EMI filter

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 Vo+25% typ.

Hold up time

20msec min.

Output power

70W (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

- Led 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

- UL

Weight

650g

Optional features

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

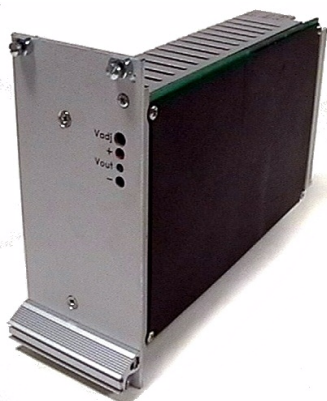
Note

The maximum current is within the power rating of the unit

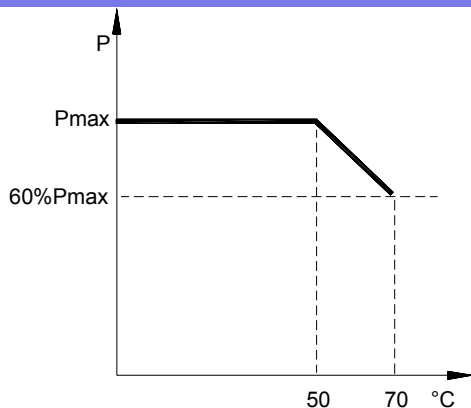
FEATURES TABLE

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
M086-R	70	A(sw)	5	6	8	0.5	±0.1	2	1
		B(sw)	12	1.8	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
M087-R	65	A(sw)	5	6	8	0.5	±0.1	2	1
		B(sw)	15	1.3	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

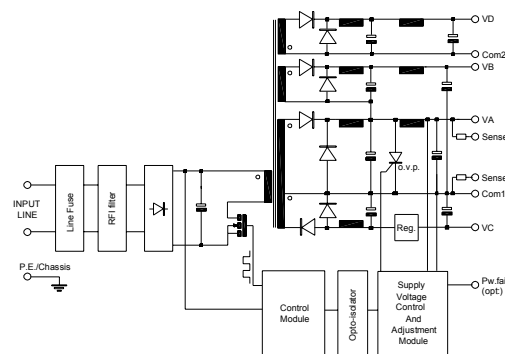
POWER SUPPLY VIEW



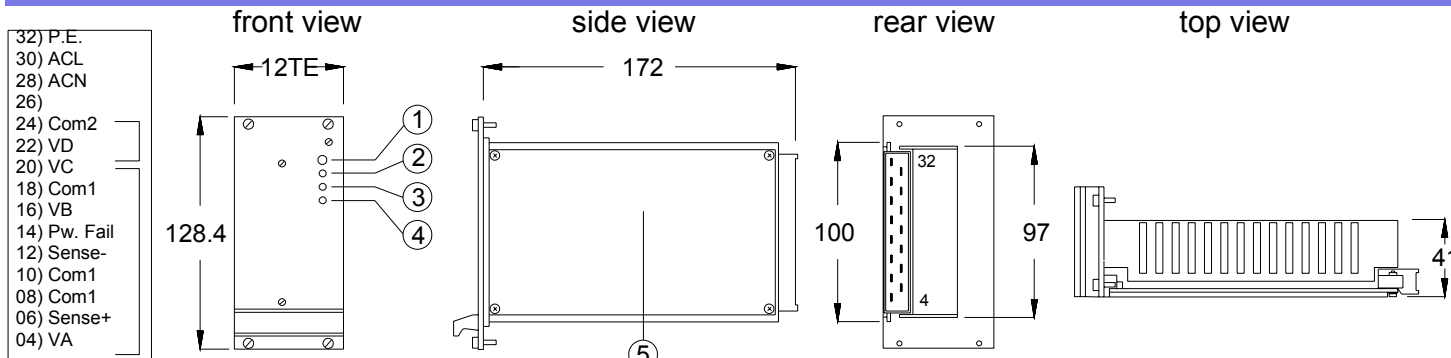
TEMP. POWER DERATING



BLOCK DIAGRAM



DIMENSIONS AND CONNECTIONS



- 1)VA adjust trimmer
- 2)Test point+
- 3)Led Vout
- 4)Test point-
- 5)Soldering side plastic cover