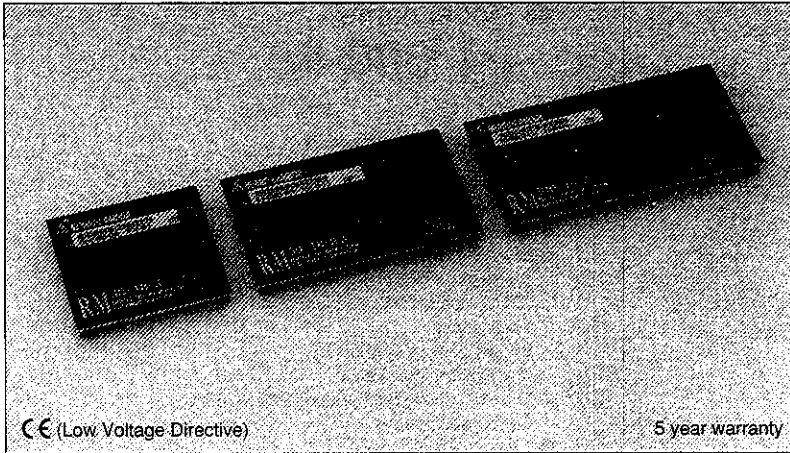




CE (Low Voltage Directive)

5 year warranty

## Model name RM 100-48-5

Output power      Nominal output voltage  
Name of series      Nominal input voltage

### Features

- CE marking (Low Voltage Directive)
- High density configuration  
High efficiency 90% (5VDC, 50W/100W output type)  
Ultra-thin profile 8mm (heatsink is not required)  
High power density 29W/inch<sup>3</sup> (5VDC, 100W output type)
- Self-diagnosis and Remote monitoring control  
Remote on/off control  
Power failure signal
- Operating ambient temperature guaranteed: -20 ~ +85°C  
Startup guaranteed: -40°C
- 5 year warranty

### Specifications

|                                  |                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Input voltage range           | 36 ~ 60VDC (36 ~ 75VDC available with/TEL model)                                                                                                                                                                                                                                                             |
| 2. Output voltage range          | ±10% (TRM terminal and external resistors required)                                                                                                                                                                                                                                                          |
| 3. Line regulation               | 20mV (36 ~ 60VDC at constant load)                                                                                                                                                                                                                                                                           |
| 4. Load regulation               | 40mV (No load to full load at constant input voltage)                                                                                                                                                                                                                                                        |
| 5. Cooling                       | Forced air cooling (1.5m/s)                                                                                                                                                                                                                                                                                  |
| 6. Operating ambient temperature | -20 ~ +85°C, Startup: -40°C, Baseplate temperature: -20 ~ +100°C<br>(Output derating is different according to convection/forced air cooling and ambient temperature conditions)                                                                                                                             |
| 7. Withstand voltage             | Input to FG: 500VAC, Input to output: 500VAC, Output to FG: 500VDC for 1 min.                                                                                                                                                                                                                                |
| 8. Safety standard               | Approved by UL1950  , CSA950  (C - UL) and EN60950  (BSI) |
| 9. Functions                     | Over voltage protection, Over current protection, Remote on/off control (CNT terminal)<br>Alarm signal for abnormal output (low output detection: ALM terminal), Reset function (RST terminal: OVP, OCP and ALM can be reset)                                                                                |

### Product lineup

| Model name |              | Output voltage | Output current | Output power | UL | CSA | EN |
|------------|--------------|----------------|----------------|--------------|----|-----|----|
| RM30       | RM30-48-2    | 2V             | 6A             | 12W          | ○  | ○   | ○  |
|            | RM30-48-3.3  | 3.3V           | 6A             | 19.8W        | ○  | ○   | ○  |
|            | RM30-48-5    | 5V             | 6A             | 30W          | ○  | ○   | ○  |
| RM50       | RM50-48-2    | 2V             | 10A            | 20W          | ○  | ○   | ○  |
|            | RM50-48-3.3  | 3.3V           | 10A            | 33W          | ○  | ○   | ○  |
|            | RM50-48-5    | 5V             | 10A            | 50W          | ○  | ○   | ○  |
| RM100      | RM100-48-2   | 2V             | 20A            | 40W          | ○  | ○   | ○  |
|            | RM100-48-3.3 | 3.3V           | 20A            | 66W          | ○  | ○   | ○  |
|            | RM100-48-5   | 5V             | 20A            | 100W         | ○  | ○   | ○  |

- Request customer specification for further details of specifications, outline, characteristics, etc.  
Read the instruction manual before usage.
- Contact us about delivery before ordering.

○ : Safety standard approved

(BOTTOM VIEW)

Pin 1: FG  
Pin 2: +Vin  
Pin 3: -Vin  
Pin 4: CNT  
Pin 5: RST  
Pin 6: ALM  
Pin 7: TRM  
Pin 8: NC  
Pin 9: -Vo  
Pin 10: -Vo  
Pin 11: +Vo  
Pin 12: +Vo  
Pin 13: NC

Dimensions: 65±0.3, 60±0.3, 55.88±0.3, 7.62, 15.24, 7.62, 8±0.3, 3.0

Note 1: Input & output terminal 13-ø1.5

SEE NOTE 1

(BOTTOM VIEW)

Dimensions: 98±0.3, 60±0.3, 88.9±0.3, 7.62, 15.24, 8±0.3.

Pin Labels: \*1 FG, \*2 +Vin, \*3 -Vin, \*4 CNT, \*5 RST, \*6 ALM, \*7 TRM, \*8 NC, \*9 -Vo, \*10 -Vo, \*11 +Vo, \*12 +Vo, \*13 NC.

Section Line: C

Note 1: Input & output terminal 13-Ø1.5

SEE NOTE 1

(BOTTOM VIEW)

Dimensions: 116±0.3 (total width), 106.68±0.3 (inner width), 60±0.3 (height), 8±0.3 (top flange height), 7.62 (terminal pitch), 15.24 (terminal offset).

Terminal locations (left side):

- ALM \*6
- RST \*5
- CNT \*4
- Vin \*3
- +Vin \*2
- FG \*1

Terminal locations (right side):

- \*7 TRM
- \*8 NC
- \*9 -Vo
- \*10 -Vo
- \*11 +Vo
- \*12 +Vo
- \*13 NC

SEE NOTE

Note 1: Input & output terminal 13-ø1.5

(Unit: mm)