

## MZ SERIES

## PZ8GGxxxZ 0.5 KV ISOLATED 1.5 W REGULATED DUAL OUTPUT SIP12

### Available Inputs:

5, 12 and 15 VDC

### Available Outputs:

5, 12 and 15 VDC

Other specifications please enquire.

### Electrical Specifications

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

#### Input Specifications

Voltage range

+/- 10 %

Filter

Capacitors

#### Isolation Specifications

Rated voltage

500 VDC

Resistance

1000 MOhm

#### Output Specifications

Voltage accuracy

+/- 3 %, max.

Ripple and noise (at 20 MHz BW)

50 mV p-p, max.

Short circuit protection

Momentary

Line voltage regulation

+/- 0.5 %

Load voltage regulation

+/- 0.5 %

Temperature coefficient

+/- 0,02 % / °C

#### General Specifications

Efficiency

55 % min.

Switching frequency

40 KHz, typ.

#### Environmental Specifications

Operating temperature (ambient)

- 20° C to + 71° C

Storage temperature

- 25 °C to + 125 °C

Derating

See graph

Humidity

Up to 90 %, non condensing

Cooling

Free air convection

#### Physical Characteristics

Dimensions

34.25 x 10.00 x 13.95 mm

1.35 x 0.40 x 0.55 inches

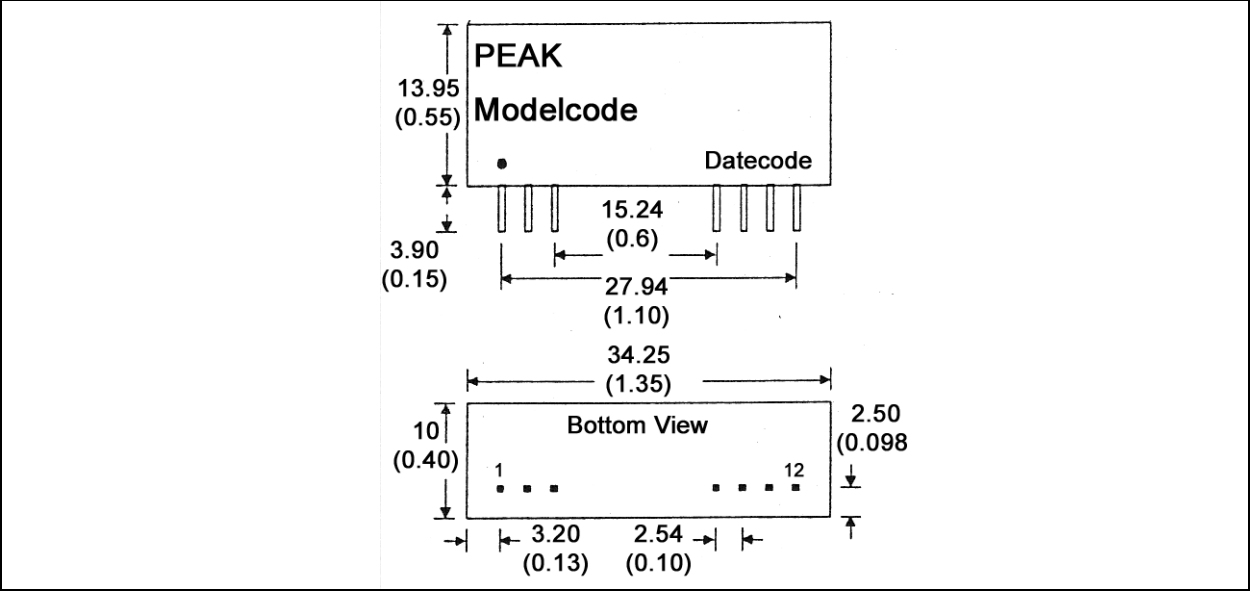
Case material

Non conductive black plastic

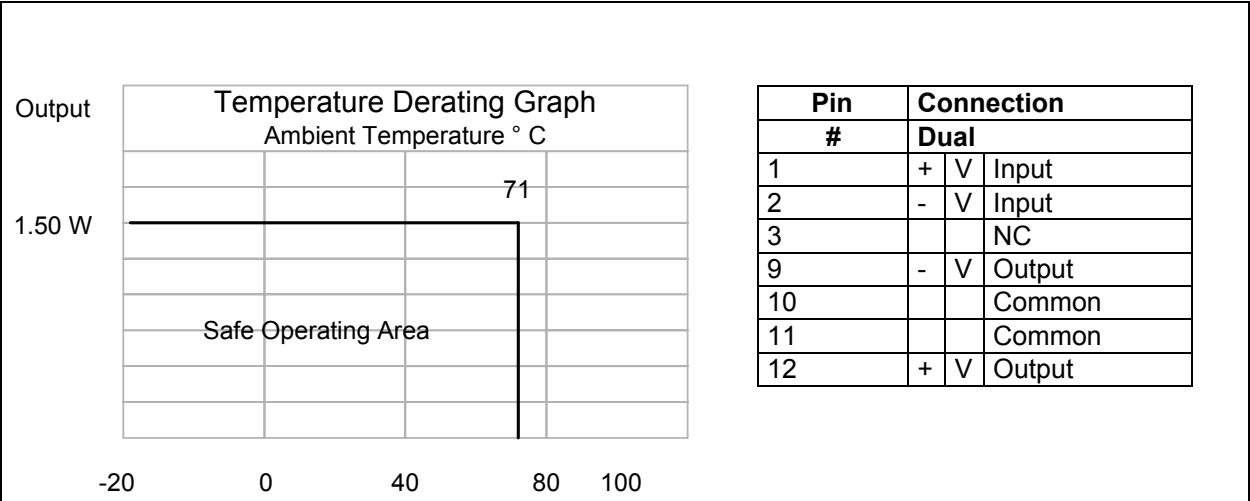
### Examples of Partnumbers

| PART NO.    | INPUT VOLTAGE (VDC) | OUTPUT VOLTAGE (VDC) | OUTPUT CURRENT (max. mA) |
|-------------|---------------------|----------------------|--------------------------|
| PZ8GG-0505Z | 5                   | +/- 5                | +/- 150                  |
| PZ8GG-0512Z | 5                   | +/- 12               | +/- 63                   |
| PZ8GG-0515Z | 5                   | +/- 15               | +/- 50                   |
| PZ8GG-1205Z | 12                  | +/-5                 | +/- 150                  |
| PZ8GG-1212Z | 12                  | +/- 12               | +/- 63                   |
| PZ8GG-1215Z | 12                  | +/- 15               | +/- 50                   |
| PZ8GG-1505Z | 15                  | +/- 5                | +/- 150                  |
| PZ8GG-1512Z | 15                  | +/- 12               | +/- 63                   |
| PZ8GG-1515Z | 15                  | +/- 15               | +/- 50                   |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH