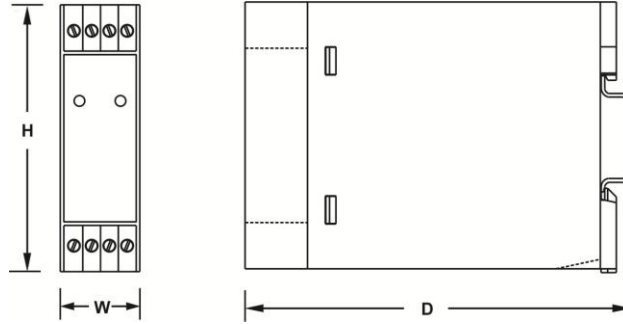


## 6W SINGLE OUTPUT SLIM SMPS



Dimensions

|   |   |                          |                           |                                      |                         |           |            |
|---|---|--------------------------|---------------------------|--------------------------------------|-------------------------|-----------|------------|
| <b>FEATURES</b>   | <ul style="list-style-type: none"> <li>Single Phase Input with universal input voltage range ( 90 ~ 270V AC )</li> <li>Built In Transient protector &amp; EMI filter</li> <li>Protection against short circuit, overload &amp; over temperature</li> <li>Low ripple &amp; noise</li> <li>Cooling by free air convection</li> <li>Power OK indication, terminations, output set control &amp; rating details on front</li> <li>100% full load burn in tested</li> <li>Low cost</li> <li>High reliability</li> <li>22.5mm Compact design din rail mountable.</li> </ul> |                          |                           |                                      |                         |           |            |
| <b>ISOLATION</b>  | Input – Output : 2KVAC, 1 minute<br>Input – Earth : 2KVAC, 1 minute<br>Output – Earth : 0.5KVAC, 1 minute   |                          |                           |                                      |                         |           |            |
| <b>EFFICIENCY</b>   | 70 ~ 75%  |                          |                           |                                      |                         |           |            |
| <b>O/P VOLTAGE ADJUSTMENT</b>   | +/- 10% of nominal output voltage (Refer note 5)  |                          |                           |                                      |                         |           |            |
| <b>OVERLOAD PROTECTION</b>  | 105% ~ 130% of rated load   |                          |                           |                                      |                         |           |            |
| <b>LINE &amp; LOAD REGULATION</b>   | Better than 0.5%  |                          |                           |                                      |                         |           |            |
| <b>HOLD UP TIME</b>   | > 20ms at rated input voltage and load  |                          |                           |                                      |                         |           |            |
| <b>OPERATING AMBIENT</b>  | 0 ~ 50°C, 95% RH  |                          |                           |                                      |                         |           |            |
| <b>STORAGE AMBIENT</b>  | -20°C to 85°C   |                          |                           |                                      |                         |           |            |
| <b>SAFETY STANDARD</b>  | Design refers to EN60950-1  |                          |                           |                                      |                         |           |            |
| <b>EMC STANDARD</b>   | Design refers to EN55022, EN55024   |                          |                           |                                      |                         |           |            |
| <b>TERMINATIONS</b>   | Screw type, for 2.5mm sq. wire  |                          |                           |                                      |                         |           |            |
| <b>MOUNTING</b>   | 35 mm DIN rail  |                          |                           |                                      |                         |           |            |
| <b>ORDERING INFORMATION</b>   | <b>NOMINAL INPUT : 230V AC/DC</b>   | <b>OUTPUT</b>            | <b>RIPPLE &amp; NOISE</b> | <b>DIMENSIONS<br/>W X H X D (mm)</b> | <b>WEIGHT<br/>(MAX)</b> |           |            |
|   | <b>INPUT VOLTAGE</b>  |                          |                           |                                      |                         | <b>AC</b> | <b>DC</b>  |
|   | <b>INPUT RANGE</b>  |                          |                           |                                      |                         | 90 ~ 270V | 110 ~ 360V |
|   | <b>I/P FREQUENCY</b>  |                          |                           |                                      |                         | 47 ~ 63Hz | —          |
|   | <b>I/P CURRENT (max)</b>  |                          |                           |                                      |                         | 0.1A      |            |
|   | <b>INRUSH CURRENT</b>   | 32A                      |                           |                                      |                         |           |            |
|   | <b>ORDER CODE</b>   | G38-06-05                | 5V : 1.2A                 | < 100mV                              | 23 X 76 X 110           | 110 grams |            |
|   |   | G38-06-12 <sup>(5)</sup> | 12V : 500mA               | < 120mV                              |                         |           |            |
|   | G38-06-15   | 15V : 400mA              | < 150mV                   |                                      |                         |           |            |
|   | G38-06-24   | 24V : 250mA              | < 240mV                   |                                      |                         |           |            |
| Note: 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 100uf parallel capacitor.<br>3. The power supply is intended to be installed as a component inside the enclosure of final equipment. The final equipment must be re-confirmed that it still meets the EMC directives.<br>4. These units are designed for mounting on horizontal DIN rail. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.<br>5. For G38-06-12, output voltage setting range is 9.5V ~ 13.2V (-20% to +10% of nominal voltage). |   |                          |                           |                                      |                         |           |            |