



#### Features :

- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty

#### GTIN CODE

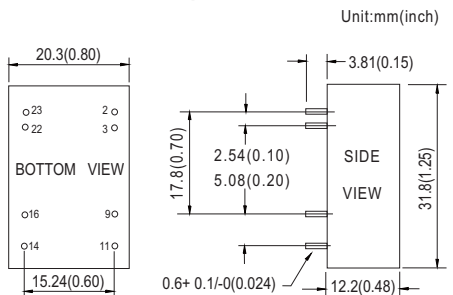
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



#### SPECIFICATION

| ORDER NO.                              |   | SCW08A-05  | SCW08B-05                        | SCW08C-05 | SCW08A-12   | SCW08B-12 | SCW08C-12 | SCW08A-15   | SCW08B-15 | SCW08C-15 |
|--|---|--|----------------------------------|-----------|-------------|-----------|-----------|-------------|-----------|-----------|
| OUTPUT                                 | DC VOLTAGE                                  | 5V   |                                  |           | 12V         |           |           | 15V         |           |           |
|  | CURRENT RANGE                               | 320 ~ 1600mA   |                                  |           | 134 ~ 670mA |           |           | 106 ~ 533mA |           |           |
|  | RATED POWER                                 | 8W   |                                  |           |             |           |           |             |           |           |
|  | RIPPLE & NOISE (max.) <small>Note.2</small> | 50mVp-p  |                                  |           | 60mVp-p     |           |           | 60mVp-p     |           |           |
|  | LINE REGULATION <small>Note.3</small>       | ±0.5%  |                                  |           |             |           |           |             |           |           |
|  | LOAD REGULATION <small>Note.4</small>       | ±0.5%  |                                  |           |             |           |           |             |           |           |
|  | VOLTAGE ACCURACY                            | ±2.0%  |                                  |           |             |           |           |             |           |           |
|  | SWITCHING FREQUENCY                         | 50KHz min.   |                                  |           |             |           |           |             |           |           |
| INPUT                                  | EXTERNAL CAPACITANCE LOAD (max.)            | 1000uF   |                                  |           | 220uF       |           |           | 220uF       |           |           |
|  | VOLTAGE RANGE                               | A: 9 ~ 18VDC    B: 18 ~ 36VDC    C: 36 ~ 72VDC   |                                  |           |             |           |           |             |           |           |
|  | EFFICIENCY (Typ.)                           | 75%  | 78%                              | 78%       | 80%         | 82%       | 81%       | 79%         | 81%       | 81%       |
|  | DC CURRENT                                  | Full load  | A: 888mA    B: 426mA    C: 215mA |           |             |           |           |             |           |           |
|  |   | No load  | A: 50mA    B: 25mA    C: 15mA    |           |             |           |           |             |           |           |
|  | FILTER                                      | Pi network   |                                  |           |             |           |           |             |           |           |
| PROTECTION<br><small>(Note. 5)</small> | PROTECTION                                  | Fuse recommended   |                                  |           |             |           |           |             |           |           |
|  | OVERLOAD                                    | 110 ~ 250% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed          |                                  |           |             |           |           |             |           |           |
|  | SHORT CIRCUIT                               | All output equipped with short circuit<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |                                  |           |             |           |           |             |           |           |
| ENVIRONMENT                            | WORKING TEMP.                               | -40 ~ +71℃ (Refer to "Derating Curve")   |                                  |           |             |           |           |             |           |           |
|  | WORKING HUMIDITY                            | 20% ~ 90% RH non-condensing  |                                  |           |             |           |           |             |           |           |
|  | STORAGE TEMP., HUMIDITY                     | -40 ~ +105℃, 10 ~ 95% RH   |                                  |           |             |           |           |             |           |           |
|  | TEMP. COEFFICIENT                           | ±0.03% / ℃ (0 ~ 50℃)   |                                  |           |             |           |           |             |           |           |
|  | VIBRATION                                   | 10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes   |                                  |           |             |           |           |             |           |           |
| SAFETY                                 | SAFETY STANDARDS                            | EAC TP TC 020/2011 approved  |                                  |           |             |           |           |             |           |           |
|  | WITHSTAND VOLTAGE                           | I/P-O/P: 1.5KVDC   |                                  |           |             |           |           |             |           |           |
|  | ISOLATION RESISTANCE                        | I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH   |                                  |           |             |           |           |             |           |           |
|  | ISOLATION CAPACITANCE                       | 250pF max.   |                                  |           |             |           |           |             |           |           |
|  | EMC EMISSION                                | Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020  |                                  |           |             |           |           |             |           |           |
|  | EMC IMMUNITY                                | Compliance to BS EN/EN61000-4-2,3,4,5,6,8 light industry level, criteria A, EAC TP TC 020  |                                  |           |             |           |           |             |           |           |
| OTHERS                                 | MTBF  | 900khrs min. MIL-HDBK-217F(25℃)  |                                  |           |             |           |           |             |           |           |
|  | DIMENSION                                   | 31.8*20.3*12.2mm or 1.25"*0.80"*0.48" inch (L*W*H)   |                                  |           |             |           |           |             |           |           |
|  | PACKING                                     | 17.5g ; 15pcs/per tube, 750pcs/50 tube/per carton  |                                  |           |             |           |           |             |           |           |

#### Mechanical Specification

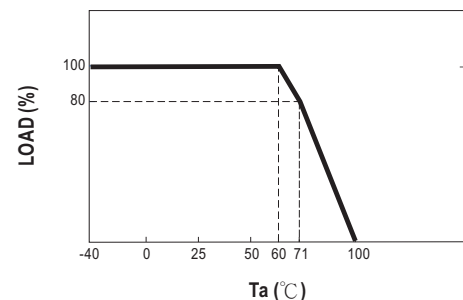


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX=±0.5mm

#### Pin Configuration

| Pin No. | Output |
|---------|--------|
| 2 & 3   | -Vin   |
| 9       | N.C.   |
| 11      | N.C.   |
| 14      | +Vout  |
| 16      | -Vout  |
| 22 & 23 | +Vin   |

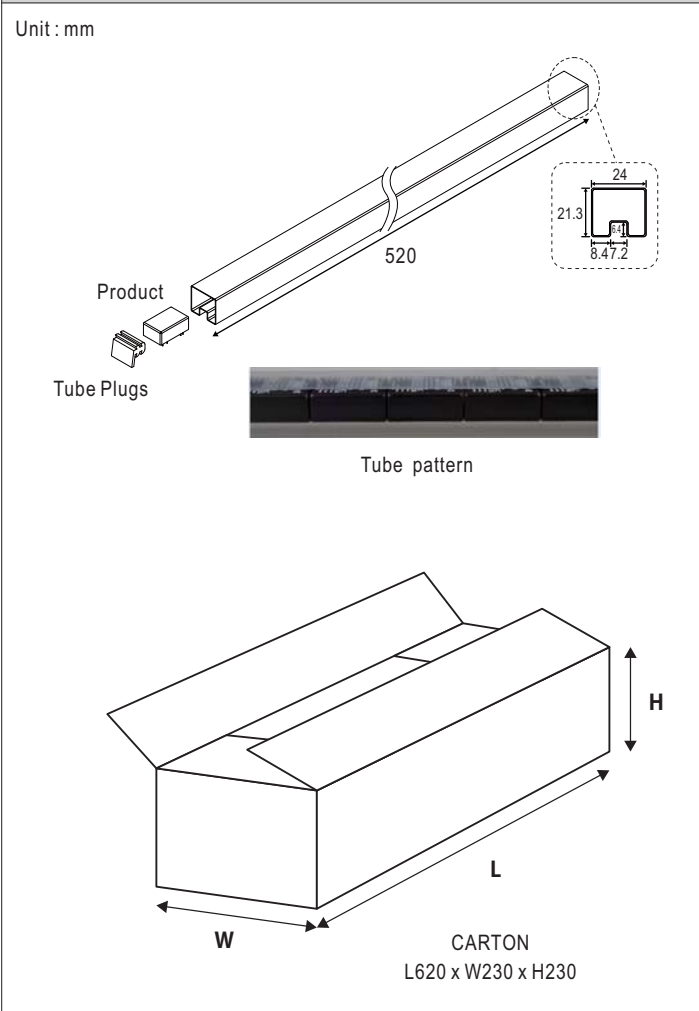
#### Derating Curve



#### NOTE

1. All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
  2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.
  3. Line regulation is measured from low line to high line at rated load.
  4. Load regulation is measured from 20% to 100% rated load.
  5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

■ Packing

| Standard Tube Packing   | MPQ<br>Per Tube<br>(PCS) | One Tube<br>G.W. | Max. Q'TY/<br>Carton(PCS) | One Carton<br>G.W. |
|---|--------------------------|------------------|---------------------------|--------------------|
| <p>Unit : mm</p>  <p>520</p> <p>24</p> <p>21.3</p> <p>8.472</p> <p>Product</p> <p>Tube Plugs</p> <p>Tube pattern</p> <p>CARTON<br/>L620 x W230 x H230</p> | 15                       | 313g             | 750                       | 17Kg               |

■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>