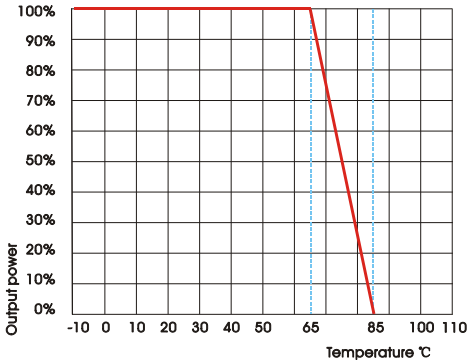

## Typical performance

- □Wide Input voltage range
- □Typical Efficiency :82%
- ⊙Switching frequency：100 KHz
- ⊙Overcurrent/Short circuit protection,Self-furbish
- □Input-output isolate
- □PCB Board in-line type installs
- □metal shell

## Temperature graph




## Technology parameter

Test condition:General Nominal Line,Tc=25℃，Rated resistant load unless other wisespecified

| Input feature | Min | Nom | Max | Notes |
|---|---|---|---|---|
| Input voltage( Vac) | 165(200Vdc) | 220 | 265(380Vdc) | N |
| Frequency range (Hz) | 47 | | 440 | |
| Remote ON/OFF | NONE | | | |

## Ouput feature

| | | | |
|---|---|---|---|
| Voltage accuracy | | Vo | ±1.0% |
| Line regulation | | Vo | ±0.2% |
| Load regulation | 20% ~ 100% | Vo | ±0.5% |
| Ripple and noise | 20MHz BM full load | | |
| | Vo≤5.0V, ≤80mVp-p | Vo≥48V, ≤180mVp-p | Other≤120 mVp-p |
| Start delay time | typical | | 1S |

## General feature

| | | | |
|---|---|---|---|
| Efficiency | Normal input ，full load | Vo≤5.0V,80% typical | Vo>5.0V，82% typical |
| Switching frequency | | 100KHz typical | Max 250KHz |
| Operating temperature | | Free air | -20℃ ~ +65℃ |
| Storage temperature | | | -40℃ ~ +105℃ |
| Max case temperature | | | +80℃ |

| | | | |
|---|---|---|---|
| Relative humidity | | | 10%~90% |
| case material | | | Metal case |
| Isolation Voltage | Input-output 2.5KV ≤ 10mA/1min | | |
| Input- case FG Input-FG 1.5KV ≤ 10mA/1min | | | |
| MTBF | $2X10^5$Hrs | | |

## Product Nomination Method

| | | | |
|---|---|---|---|
| example | W A 25 – 220 S 05 J<br>① ② ③ ④ ⑤ ⑥ ⑦ | | |
| ① | Wide input voltage range：AC85-265V | ⑤ | S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output |
| ② | Power adaptation mode：A ( AC-DC ) | ⑥ | output voltage |
| ③ | Output power(W) | ⑦ | I: Dual output isolated |
| ④ | Normal input voltage | | J:Millitary level |

## Typical product tabulates

| TYPE | Input voltage range | Output voltage / current | | | | | |
|---|---|---|---|---|---|---|---|
| | | VO1 | | VO2 | | VO3 | |
| | | V | mA | V | mA | V | mA |
| WA100-220S12 | 85~265VAC<br>120~380VDC | 12V | 8400mA | | | | |
| WA100-220S15 | | 15V | 6800mA | | | | |
| WA100-220S24 | | 24V | 4200mA | | | | |
| | | | | | | | |
| NA150-220S12 | 165~265VAC<br>200~380VDC | 12V | 12500mA | | | | |
| NA150-220S15 | | 15V | 10000mA | | | | |
| NA150-220S24 | | 24V | 6250mA | | | | |
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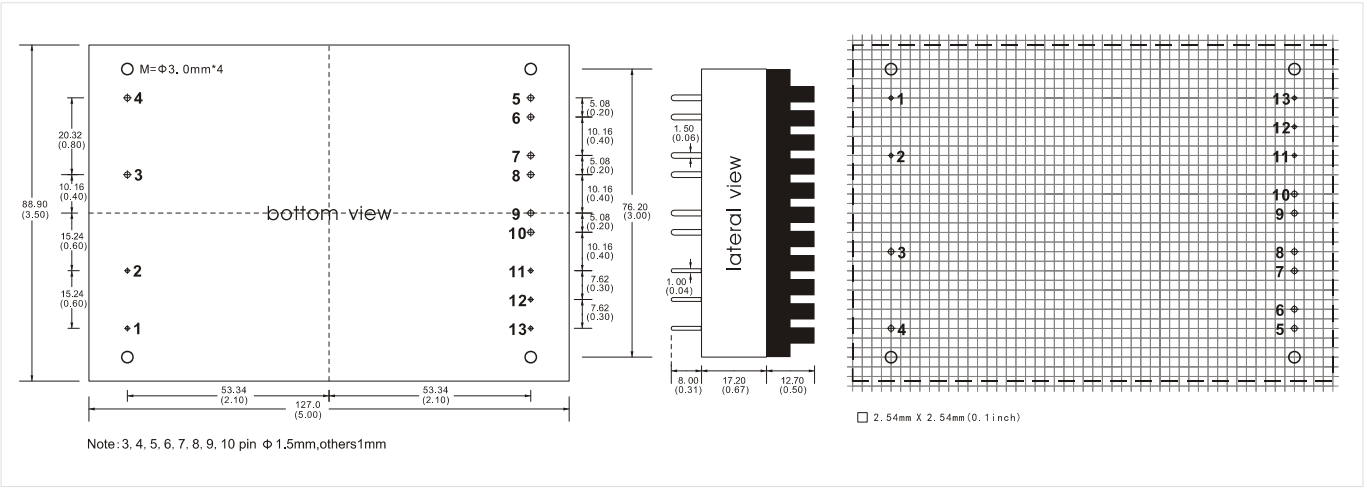
## Mechanical Data




## Mechanical Data

| Packing | L x W x H : mm | Packing No. |
|---|---|---|
| | 127.0 x 88.9 x 17.2 | 500350AC |

## Pin Assignments

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| S | NC | FG | AC(N) | AC(L) | Vout | Vout | NP | NP | GND | GND |
| PIN | 11 | 12 | 13 | | | | | | | |
| S | +S | TRIM | -S | | | | | | | |

Note：The power modules such as the definition of the pin does not match with the hand book,please refer to the actual item.