



VDH2.5 /VDH5 Series

2.5、5 功率输出 (2.5、5 Watts of Output Power)

高压输入 (High input Voltage DC/DC)

输入输出隔离 (Isolated Output)

长期短路保护, 自恢复 (Short Circuit Protection, Automatic Recovery)

双列直插封装 (DIP Package)

VDH 5 - 220 S 05 D

① ② ③ ④ ⑤ ⑥

① 系列号 (Series): VDH

② 输出功率 (Output Power): 5W

③ 输入电压 (Input Voltage): 80-375V

④ 输出模式 (Output Mode): S: 单路 (Single)

⑤ 输出电压 (Output Voltage): 5V、12V、15V、18V、24V

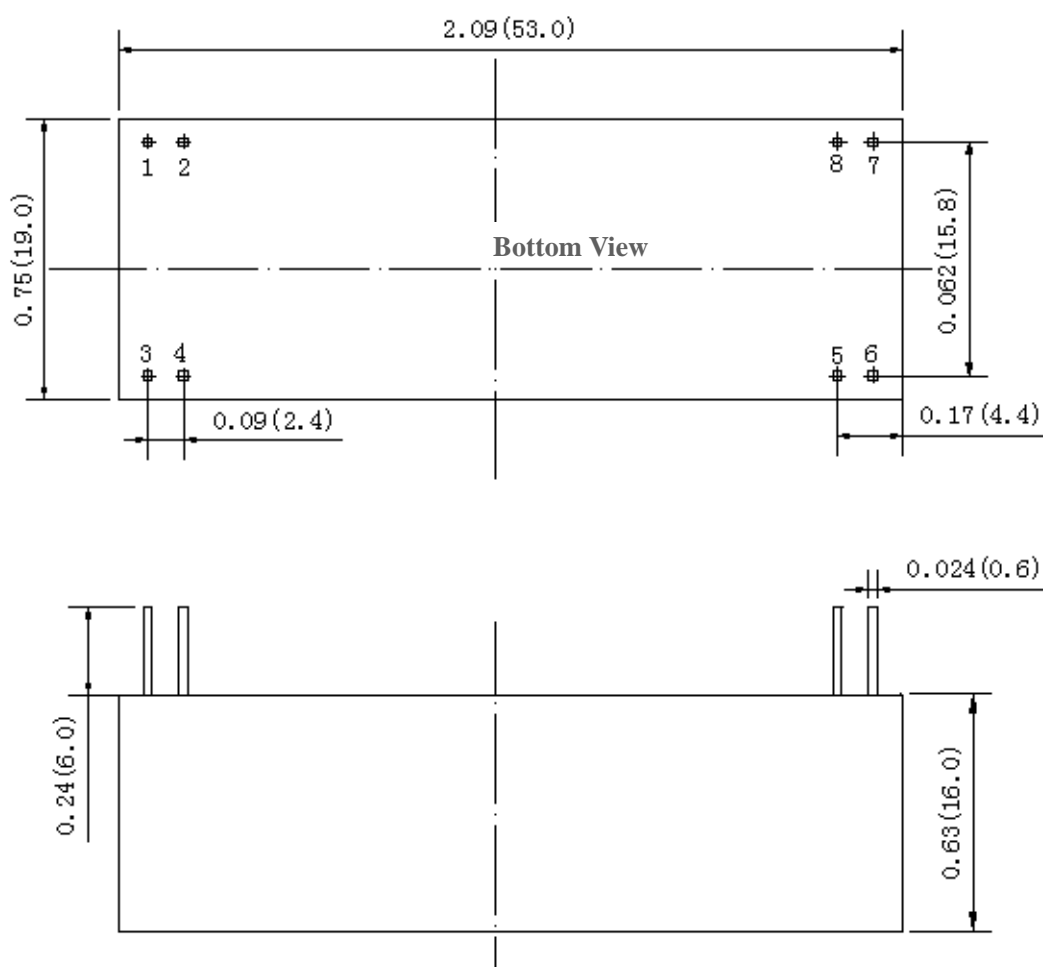
⑥ DIP 封装 (DIP Package)

| 输入特性 Input | Min | Nom | Max | Notes |
|----------------------------------|--|---------------------|---------------------------------|---|
| 输入电压 Vdc Input Voltage | 80 | 220 | 375 | |
| 输出特性 Output | | | | |
| 输出电压精度 Setpoint Accuracy | | | ±1% | Vo1 |
| 源效应 Line Regulation | | | ±0.2 % | Vin=80~375Vdc |
| 负载效应 Load Regulation | | | ±0.5 % | Vin=220Vdc |
| 动态响应 Dynamic Response | | | 3% Vo Pk deviation | 50~75% load 50~25% load |
| 纹波与噪声 Ripple and Noise | | | 50mVp-p 100mVp-p | Vo≤5Vdc 20MHz Other Bandwidth |
| 温度系数 Temperature | | | ±0.1%/°C | |
| 综合特性 General | | | | |
| 隔离电压 Isolation Voltage | | | 1500 Vdc 1000 Vdc 500 Vdc | Input-Output Input-Case Output-Case |
| 开关频率 Switching Frequency | | 60KHz | | |
| 效率 Efficiency | | 75% | | typ |
| 手工焊接时间 Hand Soldering Time | | | 5s | |
| MTBF | | 8×10 ⁵ h | | Bellcore TR332, 25°C |
| 工作壳温 Case Temperature | -10°C -25°C | | +70°C +90°C | Business 商业级 Industry 工业级 |
| 储存温度 Storage Temperature | -55°C | | +105°C | |
| 相对湿度 Relative Humidity | 10% | | 90% | |
| 短路保护 Short-Circuit Protection | 长期短路自恢复 Continuous Automatic Recovery | | | |

产品明细单/Models

| 型号 Model | 输入电压 (Vdc) Input Voltage | | | 输出电压 (Vdc) Output Voltage | 输出电流 (A) Output Current |
|---------------|-----------------------------|-----|-----|------------------------------|----------------------------|
| VDH2.5-220S05 | 80 | 220 | 375 | 5.05 | 0.5 |
| VDH2.5-220S12 | 80 | 220 | 375 | 12 | 0.21 |
| VDH2.5-220S15 | 80 | 220 | 375 | 15 | 0.17 |
| VDH2.5-220S18 | 80 | 220 | 375 | 18 | 0.14 |
| VDH2.5-220S24 | 80 | 220 | 375 | 24 | 0.1 |
| VDH5-220S05 | 80 | 220 | 375 | 5.05 | 1 |
| VDH5-220S12 | 80 | 220 | 375 | 12 | 0.42 |
| VDH5-220S15 | 80 | 220 | 375 | 15 | 0.33 |
| VDH5-220S18 | 80 | 220 | 375 | 18 | 0.28 |
| VDH5-220S24 | 80 | 220 | 375 | 24 | 0.21 |

外形尺寸图/Mechanical Drawing



管脚定义/Pin Definition

| 管脚定义 | Pin | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------|--------|-------|---|------|---|-----|---|-----|---|
| 单路 | Single | - Vin | | +Vin | | +Vo | | -Vo | |