

○Typical product tabulates/典型性能

特点: 定电压输入, 隔离非稳压双输出 Characteristics: Fixed input, Unregulated dual output
 隔离电压 Isolation Voltage : 3000Vdc
 效率高达 Efficiency up to : 82%
 工作环境温度 Temperature range: -40°C-85°C
 MTBF ≥ 350万小时 (35 × 10⁵ Hrs)
 符合RoHS指令 Comply with the RoHS directive)
 线性调节率(输入电压变化±1%时) Line regulation (when input change ±1%): ±1.2%
 负载调节率(10%-100%满载) Load regulation (10%-100% full load): 15%
 纹波/噪声 (20MHz带宽) Typ Ripple and noise (20MHz band width): 100mVp-Typ
 小型SIP和DIP封装 Small SIP&DIP package
 无需外加元件 No external component required
 短路保护, 自恢复(定制) Short Circuit Protection, Automatic recovery (Customized products)
 塑料外壳, 满足UL94-V0要求 Plastic case, up to standard of UL94-V0

ZMV系列
(陶瓷PCB制作)

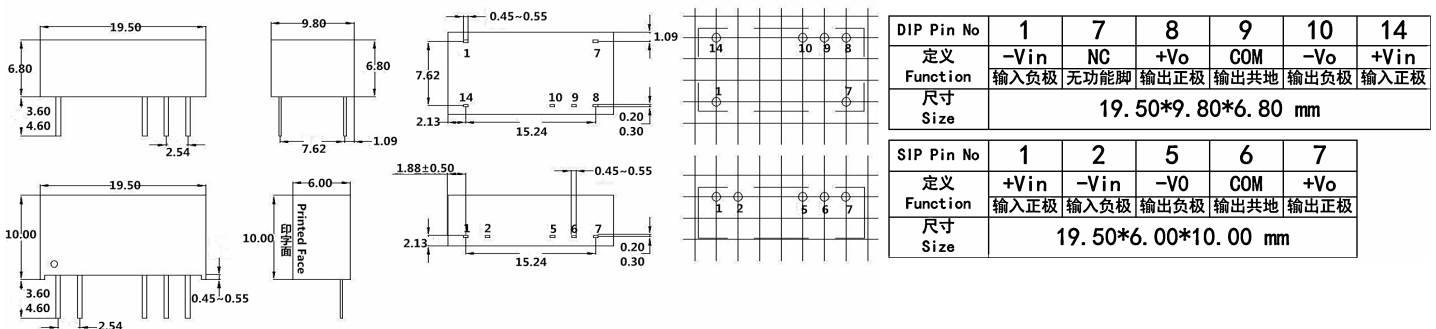


○Typical product tabulates/典型产品列表

| 产品型号Type | 输入电压 (Vdc) Input voltage range | | 输入电流 (mA) (typ) | | 输出电压 (Vdc) | 输出电流 (mA) Output current | | 输出功率 (w) | 纹波噪声 (Typ) (mvp-p) | 最大容性负载 (uF) | 满载效率 (% , typ) |
|------------|-----------------------------------|-------------------|-----------------|---------------|----------------|-----------------------------|------|--------------|--------------------|---------------------|----------------------|
| | 标称值 Nominal value | 范围值 Rang value | 满载 Full load | 空载 No-load | Output voltage | Min | Max | Output power | Ripple noise | Max capacitive load | Full load efficiency |
| ZMV0505S/D | 5 | 4.5-5.5 | 263 | 30 | ±5 | ±10 | ±100 | 1W | 50~75 | 100 | 77 |
| ZMV0509S/D | | | 260 | | ±9 | ±5.6 | ±56 | | | 47 | 78 |
| ZMV0512S/D | | | 260 | | ±12 | ±4 | ±42 | | | 47 | 79 |
| ZMV1205S/D | 12 | 10.8-13.2 | 108 | 16 | ±5 | ±10 | ±100 | | 50~75 | 100 | 78 |
| ZMV1212S/D | | | 108 | | ±12 | ±4 | ±42 | | | 47 | 81 |
| ZMV1215S/D | | | 107 | | ±15 | ±3 | ±33 | | | 47 | 82 |
| ZMV1505S/D | 15 | 13.5-16.5 | 86 | 13 | ±5 | ±10 | ±100 | | 50~75 | 100 | 78 |
| ZMV1512S/D | | | 83 | | ±12 | ±4 | ±42 | | | 47 | 81 |
| ZMV1515S/D | | | 82 | | ±15 | ±3 | ±33 | | | 47 | 82 |
| ZMV1524S/D | | | 82 | | ±24 | ±2 | ±21 | | | 22 | 82 |
| ZMV2405S/D | 24 | 21.6-26.4 | 54 | 8 | ±5 | ±10 | ±100 | | 50~75 | 100 | 79 |
| ZMV2412S/D | | | 51 | | ±12 | ±4 | ±42 | | | 47 | 81 |
| ZMV2415S/D | | | 51 | | ±15 | ±3 | ±33 | 47 | | 82 | |
| ZMV2424S/D | | | 51 | | ±24 | ±2 | ±21 | 22 | | 82 | |

因篇幅有限, 以上只是部分产品列表, 若需列表以外产品, 请与本公司销售部联系
 Due to space limitations, the above list is only for some products, if demand for others not included in the tabulates, please contact the Company's sales department

○Mechanical Data/封装尺寸



Note: 尺寸单位Unit:mm[inch]; 端子截面公差Pin section tolerances: ±0.10[±0.004]; 未标注之公差General tolerances: ±0.25[±0.010]; 栅格距离Grid: 2.54*2.54mm

○Output load requirements/输出负载要求

为了确保该模块能够高效可靠的工作, 使用时, 其输出最小负载不能小于额定负载的10%。若您所需功率确实较小, 请在输出端并联一个电阻(电阻消耗功率与实际使用功率之和大于等于10%的额定功率)
 In order to ensure the converter can work reliably with high efficiency, the minimum load should not less than 10% rated load when it is used. If the needed power is indeed small, please parallel a resistor on the output side (The sum of the efficient power and resistor consumption power is not less than 10%)