



特点

- * 外形尺寸: 116.8 × 61.0 × 12.7 mm
- * 工业标准全砖封装和引脚
- * 高效率、高功率密度
- * 基板工作温度 100℃

Features

- * Size: 4.60 × 2.40 × 0.50 inch
- * Industry Standard Full-Brick Package and Footprint
- * High Efficiency, High Power Density
- * 100℃ Baseplate Operation

输入特性 (Input)		注释 (Notes and Conditions)	
输入电压范围 (Input Voltage Range)	66~160Vdc	170Vdc Max	
遥控功能 (Remote On/Off Function)		Gate in 引脚	
1) 正逻辑 (Positive Logic)	开启 (On)	高电平 (2.5 ~ 18Vdc) 或悬空 (High Level or Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	低电平 (<1.4Vdc) 或与 -Vin 短接 (Low Level or Connect to -Vin)	
2) 负逻辑 (Negative Logic)	开启 (On)	低电平 (<0.4Vdc) 或与 -Vin 短接 (Low Level or Connect to -Vin)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	高电平 (1.4 ~ 18Vdc) 或悬空 (High Level or Open Circuit)	

输出特性 (Output)		注释 (Notes and Conditions)	
输出电压精度 (Voltage Set-Point Accuracy)	± 1%	Vinom and Ionom	
输出电压调节范围 (Output Voltage Trim Range)	± 10%		
源效应 (Line Regulation)	± 0.2%Vo	Vimin~Vimax, Ionom	
负载效应 (Load Regulation)	± 0.5%Vo	10%~100%Ionom, Vinom	
输出过压保护 (Output Overvoltage Protection)	115%~140%Vo	自恢复 (Automatic Recovering)	
输出过流保护点 (Current Limit Threshold Range)	110%~150%Io		
短路保护 (Short-Circuit Protection)	连续可恢复 (Continuous, Automatic Recovery)		
瞬态响应 (Dynamic Response)			
过冲幅度 (Peak Deviation)	± 5%Vo	25%-50%-25% of Ionom	
恢复时间 (Settling Time)	200 μs	and 50%-75%-50% of Ionom	

一般特性 (General)		注释 (Notes and Conditions)	
温度系数 (Temperature Coefficient)	± 0.02%/℃		
隔离电压 (Isolation Voltage)			
输入与输出 (Input-Output)	2000Vdc 1min		
输入与外壳 (Input-Case)	1500Vdc 1min		
输出与外壳 (Output-Case)	500Vdc 1min		
工作基板温度 (Operating Baseplate Temperature)	-25℃ ~ +100℃		
贮存温度 (Storage Temperature)	-40℃ ~ +125℃		
冷却方式 (Cooling)	加装散热器或强制风冷	Attach Heatsink or Forced Convection	
过温保护 (Thermal Shutdown Range)	100℃~110℃	基板温度 (Baseplate Temperature)	
平均故障间隔时间 (MTBF)	2 × 10 ⁵ h	MIL-HDBK-217	

注: 除非另有说明, 指标一般在标称输入电压、满载和 25℃ 基板温度下测得。

Note: All specifications are typical at nominal input, full load at 25℃ baseplate temperature unless otherwise stated.

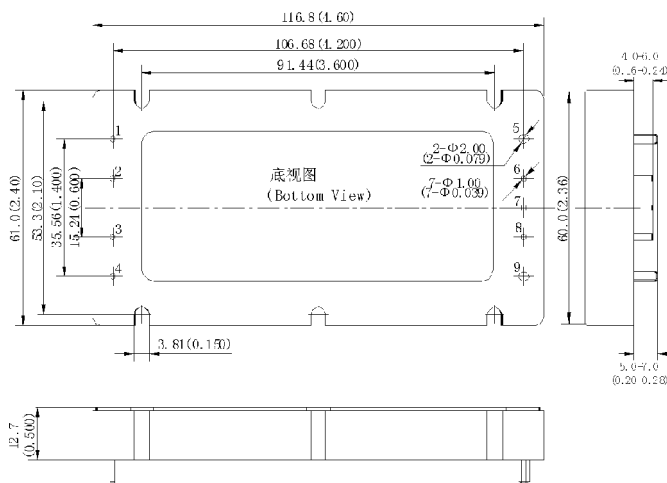
型号列表 (Models)

产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	标称负载 (Output Current) A	额定输出功率 (Output Power) W	效率 (Efficiency) %	输出杂音电压峰值 (Ripple and Noise) mVp-p
FVR-H1502SD-T	110	12.0	12.50	150	85	100
FVR-L1502SD-T	110	12.0	12.50	150	85	100
FVR-H1503SD-T	110	15.0	10.00	150	86	200
FVR-L1503SD-T	110	15.0	10.00	150	86	200
FVR-H1504SD-T	110	24.0	6.25	150	87	200
FVR-L1504SD-T	110	24.0	6.25	150	87	200

注：“-H”型号遥控功能为正逻辑，“-L”型号遥控功能为负逻辑。
(Model with “-H” is Positive Logic, Model with “-L” is Negative Logic.)

安装尺寸 (Mechanical Drawing)

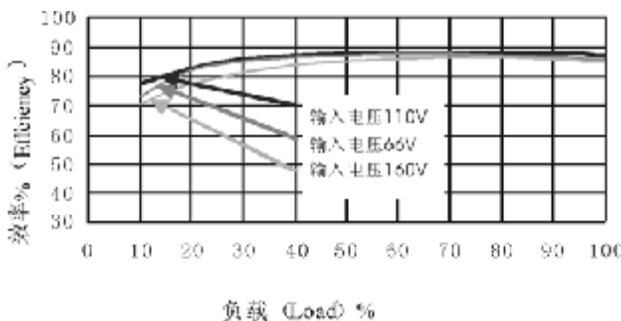
尺寸单位是 mm(inches); All Dimensions in mm (inches)



引脚 (Pin)	单路 (Single)
1	-Vin
2	Gate out
3	Gate in
4	+Vin
5	-Vout
6	-S
7	Trim
8	+S
9	+Vout

mm	inches
.x ±0.5	.xx ±0.02
.xx ±0.13	.xxx ±0.005

效率负载曲线 (Curve of Efficiency vs. Load)



输出电压调节 (Output Voltage Trim)

