FDR-300W Series





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 \times 2.40 \times 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)						
标称(Nominal)	24Vdc	18~36Vdc	40Vdc Max			
标称(Nominal)	48Vdc	36~72Vdc	80Vdc Max			
输入欠压保护(Input Undervoltage Protection)		<vimin< td=""><td></td></vimin<>				
遥控功能(Remote On/Off Function)			Gate in 引脚 (Pin)			
1) 正逻辑(Positive Logic)	开启 (On)	高电平(2.5~18Vdc)或悬空	相对于 -Vin(Reference to -Vin)			
		(High Level or Open Circuit)				
	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(<0.5Vdc)或与 -Vin 短接	相对于 -Vin(Reference to -Vin)			
		(Low Level or Connect 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%lonom, Vinom
输出过压保护(Output Overvoltage Protection)	120%~140%Vo	Self Recovering
输出过流保护点(Current Limit Threshold Range)	110%~150%lo	
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 μ s	and 50%-75%-50% of Ionom

一般特性(General)		注释(Notes and Conditions)
温度系数(Temperature Coefficient)	± 0.02%/°C	
隔离电压(Isolation Voltage)		
输入与输出(Input-Output)	1000Vdc 1min	
输入与外壳(Input-Case)	700Vdc 1min	
输出与外壳(Output-Case)	500Vdc 1min	
工作基板温度(Operating Baseplate Temperature)	- 25℃~+ 100℃	(后缀"(B)": -40℃) with suffix"(B)":-40℃
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 × 10⁵h	MIL-HDBK-217
重量(Weight)	155g	

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.

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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) %	输出杂音电压峰峰值 (Ripple and Noise) mVp-p
FDR-H3002SC	48	12.0	25	300	86	120
FDR-H3003SC	48	15.0	20	300	86	100
FDR-H3002SB	24	12.0	25	300	85	120
FDR-H3002SB(B)	24	12.0	25	300	85	120
FDR-H30028SB(B)	24	28.0	10.7	300	86	250

注:1."-H" 型号遥控功能为正逻辑。(Model with"-H"is Positive Logic.)

2.遥控功能为负逻辑的模块型号为 "FDR-L ××××××"。 (Negative Logic Model Number is "FDR-L ××××××")

