HAB-150W Series

特 点

* 外形尺寸: 86.0 × 72.0 × 12.7 mm
* 2:1 电压输入范围
* 全表面贴装器件
* 基板工作温度 85℃

Features

* Small Size: 3.39 × 2.83 × 0.50 inch
* 2:1 Input Voltage Range
* Surface Mounted
* 85℃Baseplate Operation

输入特性(Input)

			注释(Notes and Conditions)
输入电压范围(Input Voltage Range)			
标称(Nominal)	280Vdc	200~400Vdc	440Vdc Max
遥控功能(Remote On/Off Function)			
负逻辑(Negative Logic)	开启(On)	零电平或短路	相对于 -Vin(Reference to -Vin)
		(Connect to -Vin)	HAB-L
	关闭(Off)	高电平(1.4V~50V)或悬空	
		(High Level or Open Circuit)	
正逻辑(Positive Logic)	开启(On)	高电平(1.4V~50V)或悬空	相对于 -Vin(Reference to -Vin)
		(High Level or Open Circuit)	HAB-H
	关闭(Off)	零电平或短路	
		(Connect to -Vin)	

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%	HAB-L1504SE ±20%
源效应(Line Regulation)	± 0.4%Vo	Vimin~Vima, Ionom
负载效应(Load Regulation)	± 0.8%Vo	10%~100%Ionom, Vinom
输出过压保护(Output Overvoltage Protection)	110%~145%Vo	自恢复，加“/M”后缀须人工复位
输出过流保护点(Current Limit Threshold Range)	105%~150%Ionom	Vinom
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)	2kVdc or 1.5kVac 1min,20mA	
输入与外壳(Input-Case)	2kVdc or 1.5kVac 1min,20mA	
输出与外壳(Output-Case)	500Vdc 1min	
工作基板温度(Operating Baseplate Temperature)	- 20℃+ 85℃	
贮存温度(Storage Temperature)	- 40℃~ + 100℃	
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
重量(Weight)	150g	

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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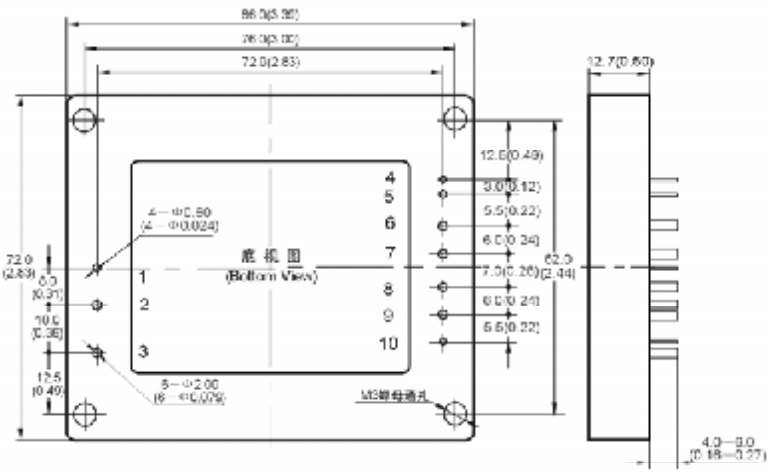
型号列表(Models)

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
HAB-H1503SE	280	15	10.00	150.0	86	100
HAB-L1503SE	280	15	10.00	150.0	86	100
HAB-H1504SE	280	24	6.30	151.2	86	200
HAB-L1504SE	280	24	6.30	151.2	86	200
HAB-L15028SE/M	280	28	5.40	151.2	87	200

安装尺寸(Mechanical Drawing)

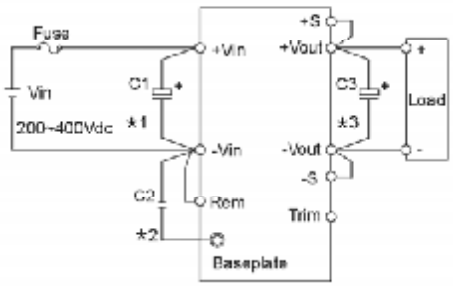
尺寸单位是 mm(inches); All Dimensions in mm (inches)



引脚定义(Pin Definition)	
引脚(Pin)	单路(Single)
1	Rem
2	-Vin
3	+Vin
4	Trim
5	-S
6	-Vout
7	-Vout
8	+Vout
9	+Vout
10	+S

未注公差按下表 (Tolerances Unless Otherwise Specified)	
mm	inches
.x ±0.5	.xx ±0.02
.xx ±0.13	.xx ±0.005

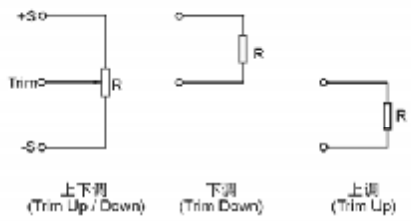
应用电路推荐(Recommended Application Circuit)



Fuse 推荐值(Recommended): 2A

* 1 C1 推荐值: 大于 22 μ F(电解电容)
  C1 Recommended: Above 22 μ F
  Electrolytic Capacitor
* 2 C2 推荐值: 大于 4700pF(陶瓷电容)
  C2 Recommended: Above 4700pF Ceramic Capacitor
* 3 C3 推荐值: 电解电容
  C3 Recommended: Electrolytic Capacitor
  输出电压12V ,15V: 470 μ F
  Output Voltage12V ,15V: 470 μ F
  输出电压24V: 220 μ F
  Output Voltage24V: 220 μ F
  输出电压28V: 220 μ F
  Output Voltage28V: 220 μ F

输出电压调节(Output Voltage Trim)



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