

YD12-16

Series



输入特性Input

	Min	Nom	Max	Notes
输入电压Vdc	9	12	18	
Input Voltage	18	24	36	
	36	48	72	
	66	110	160	

输出特性Output

输出电压精度			± 1%	Vo1
Setpoint Accuracy			± 3%	Vo2
源效应			± 0.2%	
Line Regulation				
负载效应			± 0.5%	
Load Regulation				
动态响应			3%Vo Pk deviation	50 ~ 75% load
Dynamic Response			200 μ S settling time	50 ~ 25% load
纹波与噪声			50mVp-p	Vo ≤ 5Vdc
Ripple and Noise			100mVp-p	Other
			200mVp-p	Vo ≥ 48Vdc
温度系数		± 0.02%/°C		
Temperature Coefficient				

综合特性General

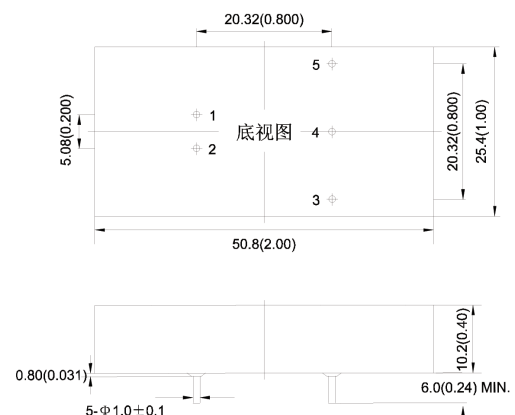
隔离电压			500Vdc/1min/0.5mA	Input-Output
Isolation Voltage				
开关频率		300KHz		
Switching Frequency				
MTBF		2 × 10 ⁶ h		Bellcore TR332, 25°C
工作壳温	-25°C		+95°C	Industry 工业级
Case Temperature	-40°C		+95°C	Military AD 军品AD级
	-40°C		+95°C	Military AG 军品AG级
	-55°C		+105°C	Military AH 军品AH级
储存温度			+125°C	
Storage Temperature	-55°C			
相对湿度	10%		90%	
Relative Humidity				
短路保护	短路自恢复			
Short-Circuit Protection	Continuous, Automatic Recovery			

	型号 Model	输入电压(Vdc) Input Voltage	输出电压(Vdc)		效率 Efficiency
			Output Voltage	Output Current	
12W单路	YD12-12S03	9~18	Vo1/Vo2	Io1/Io2	76%
	YD12-12S05	9~18	3.3	3	80%
	YD12-12S12	9~18	5.05	2.4	81%
	YD12-12S15	9~18	12	1	81%
	YD12-12S24	9~18	15	0.8	81%
	YD12-24S03	18~36	24	0.5	79%
	YD12-24S05	18~36	3.3	3	76%
	YD12-24S05	18~36	5.05	2.4	80%
	YD12-24S12	18~36	12	1	82%
	YD12-24S15	18~36	15	0.8	83%
	YD12-24S24	18~36	24	0.5	82%
	YD12-48S03	36~72	3.3	3	79%
	YD12-48S05	36~72	5.05	2.4	80%
	YD12-48S12	36~72	12	1	83%
	YD12-48S15	36~72	15	0.8	83%
	YD12-48S24	36~72	24	0.5	82%
YD12-110S05	66~160	5.05	2.4	80%	
YD12-110S12	66~160	12	1	83%	
YD12-110S15	66~160	15	0.8	83%	
12W双路	YD12-24D05	18~36	+5.05/-5.05	+1.2/-1.2	80%
	YD12-24D05-05	18~36	+5.05/-5.05	+2/-0.4	80%
	YD12-24D12	18~36	+12/-12	+0.5/-0.5	82%
	YD12-24D15	18~36	+15/-15	+0.4/-0.4	82%
	YD12-48D05	36~72	+5.05/-5.05	+1.2/-1.2	82%
	YD12-48D05-05	36~72	+5.05/-5.05	+2/-0.4	82%
	YD12-48D12	36~72	+12/-12	+0.5/-0.5	83%
	YD12-48D15	36~72	+15/-15	+0.4/-0.4	83%
16W单路	YD16-24S05	18~36	5.05	3	82%
	YD16-24S12	18~36	12	1.25	85%
	YD16-24S15	18~36	15	1	85%
	YD16-48S03	36~72	3.3	3.6	81%
	YD16-48S05	36~72	5.05	3	83%
	YD16-48S12	36~72	12	1.25	85%
	YD16-48S15	36~72	15	1	85%
	YD16-110S05	66~160	5.05	3	83%
	YD16-110S12	66~160	12	1.25	85%
	YD16-110S15	66~160	15	1	85%
16W双路	YD16-24D12	18~36	+12/-12	+0.63/-0.63	85%
	YD16-24D15	18~36	+15/-15	+0.5/-0.5	86%
	YD16-48D12	36~72	+12/-12	+0.63/-0.63	85%
	YD16-48D15	36~72	+15/-15	+0.5/-0.5	86%
	YD16-110D12	66~160	+12/-12	+0.63/-0.63	85%
	YD16-110D15	66~160	+15/-15	+0.5/-0.5	85%

产品示意图

管脚定义

定义	1	2	3	4	5
单路	+Vin	-Vin	-Vo	NP	+Vo
双路	+Vin	-Vin	Vo2	COM	Vo1



注：部分产品厚度为8.5mm，详细参数见具体产品说明书。