

# YD10 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

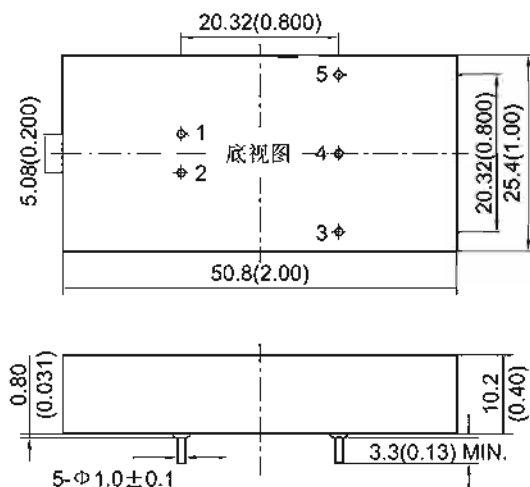
输出电压精度			± 1%	Vo1
Setpoint Accuracy			± 3%	Vo2
源效应			± 0.2%	
Line Regulation				
负载效应			± 0.5%	
Load Regulation				
动态响应			3%Vo Pk deviation	50 ~ 75% load
Dynamic Response			200 μ S settling time	50 ~ 25% load
纹波与噪声			50mVp-p	Vo ≤ 5Vdc
Ripple and Noise			100mVp-p	Other
			200mVp-p	Vo ≥ 48Vdc
温度系数		±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

## 综合特性General

隔离电压			1500Vdc/1min/1mA	Input-Output
Isolation Voltage				
开关频率		300KHz		
Switching Frequency				
MTBF		2 × 10 <sup>6</sup> 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)	输出电流(A)	效率 Efficiency
			Output Voltage	Output Current	
10W单路	YD10-12S03	9~18	Vo1/Vo2 3.3	Io1/Io2 2.5	73%
	YD10-12S05	9~18	5.05	2	78%
	YD10-12S12	9~18	12	0.84	78%
	YD10-12S15	9~18	15	0.67	80%
	YD10-12S24	9~18	24	0.42	81%
	YD10-24S03	18~36	3.3	2.5	76%
	YD10-24S05	18~36	5.05	2	80%
	YD10-24S12	18~36	12	0.84	82%
	YD10-24S15	18~36	15	0.67	83%
	YD10-24S24	18~36	24	0.42	82%
	YD10-48S03	36~72	3.3	2.5	76%
	YD10-48S05	36~72	5.05	2	82%
	YD10-48S12	36~72	12	0.84	83%
	YD10-48S15	36~72	15	0.67	84%
	YD10-48S24	36~72	24	0.42	83%
	YD10-48S48	36~72	48	0.21	84%
	YD10-110S05	66~160	5.05	2	79%
	YD10-110S12	66~160	12	0.84	83%
	YD10-110S15	66~160	15	0.67	84%
10W双路	YD10-12D05	9~18	+5.05/-5.05	+1/-1	77%
	YD10-12D12	9~18	+12/-12	+0.42/-0.42	77%
	YD10-12D15	9~18	+15/-15	+0.33/-0.33	77%
	YD10-24D05	18~36	+5.05/-5.05	+1/-1	80%
	YD10-24D12	18~36	+12/-12	+0.42/-0.42	81%
	YD10-24D15	18~36	+15/-15	+0.33/-0.33	81%
	YD10-48D05	36~72	+5.05/-5.05	+1/-1	81%
	YD10-48D05-05	36~72	+5.05/-5.05	+1.6/-0.2	81%
	YD10-48D12	36~72	+12/-12	+0.42/-0.42	82%
YD10-48D15	36~72	+15/-15	+0.33/-0.33	82%	

### 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

本系列产品高度可选，具体参考对应型号技术指标书，或致电我公司销售部