

# YD20 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	
遥控 Control		On Off		CNT悬空或接TTL高电平 CNT与-Vin相连

## 输出特性Output

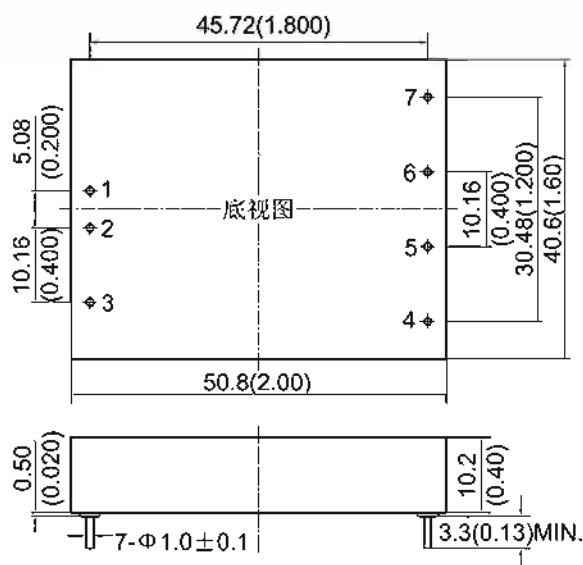
输出电压精度			± 1%	Vo1
Setpoint Accuracy			± 3%	Vo2
电压调节		± 10% Vo1		Vo2跟踪 Vo1
Trim Range				
源效应			± 0.2%	Vo1
Line Regulation			± 1.5%	Vo2
负载效应			± 0.5%	Vo1
Load Regulation			± 4%	Vo2
动态响应			3%Vo Pk deviation	50 ~ 75% load
Dynamic Response			200 μ S settling time	50 ~ 25% load
纹波与噪声			50mVp-p	Vo ≤ 5Vdc
Ripple and Noise			100mVp-p	Other
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		330KHz		
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
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		
		Vo1/Vo2		Io1/Io2		
20W单路	YD20-24S03	18~36	3.3	5	80%	
	YD20-24S05	18~36	5.05	4	80%	
	YD20-24S12	18~36	12	1.7	83%	
	YD20-24S15	18~36	15	1.3	83%	
	YD20-24S24	18~36	24	0.83	84%	
	YD20-24S48	18~36	48	0.42	83%	
	YD20-48S03	36~72	3.3	5	80%	
	YD20-48S05	36~72	5.05	4	82%	
	YD20-48S12	36~72	12	1.7	83%	
	YD20-48S15	36~72	15	1.3	83%	
	YD20-48S24	36~72	24	0.83	85%	
	YD20-48S48	36~72	48	0.42	83%	
	YD20-110S12	66~160	12	1.7	83%	
20W双路	YD20-24D05	18~36	+5.05/-5.05	+2/-2	80%	
	YD20-24D12	18~36	+12/-12	+0.83/-0.83	82%	
	YD20-24D15	18~36	+15/-15	+0.67/-0.67	82%	
	YD20-48D05	36~72	+5.05/-5.05	+2/-2	83%	
	YD20-48D12	36~72	+12/-12	+0.83/-0.83	85%	
	YD20-48D15	36~72	+15/-15	+0.67/-0.67	85%	

### 产品示意图



### 管脚定义

定义	1	2	3	4	5	6	7
单路	+Vin	-Vin	CNT	TRIM	-Vo	+Vo	NP
双路	+Vin	-Vin	CNT	TRIM	Vo2	COM	Vo1