

YD5 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	

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				
Temperature Coefficient			± 0.02%/°C	

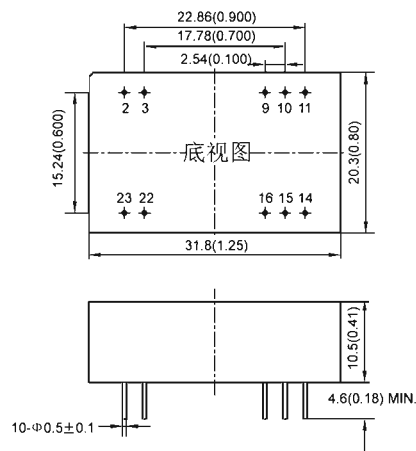
综合特性General

隔离电压			500Vdc/1min/1mA	Input-Output
Isolation Voltage				
开关频率			300KHz	
Switching Frequency				
MTBF			2 × 10 ⁶ h	Bellcore TR332,25°C
	-25°C		+85°C	Industry 工业级
工作壳温	-40°C		+95°C	Military AD 军品AD级
Case Temperature	-40°C		+95°C	Military AG 军品AG级
	-55°C		+105°C	Military AH 军品AH级
储存温度				
Storage Temperature	-55°C		+105°C	
相对湿度				
Relative Humidity	10%		90%	
短路保护			短路自恢复	
Short-Circuit Protection			Continuous, Automatic Recovery	

注：工业级产品为塑壳。

	型号 Model	输入电压(Vdc) Input Voltage	输出电压(Vdc) Output Voltage		输出电流(A) Output Current		效率 Efficiency
			Vo1/Vo2	Io1/Io2			
5W单路	YD5-12S05	9~18	5.05	1	74%		
	YD5-12S12	9~18	12	0.42	74%		
	YD5-12S15	9~18	15	0.33	74%		
	YD5-24S05	18~36	5.05	1	76%		
	YD5-24S12	18~36	12	0.42	78%		
	YD5-24S15	18~36	15	0.33	79%		
	YD5-48S05	36~72	5.05	1	78%		
	YD5-48S12	36~72	12	0.42	79%		
	YD5-48S15	36~72	15	0.33	79%		
5W双路	YD5-12D05	9~18	+5.05/-5.05	+0.5/-0.5	77%		
	YD5-12D12	9~18	+12/-12	+0.2/-0.2	78%		
	YD5-12D15	9~18	+15/-15	+0.17/-0.17	78%		
	YD5-24D05	18~36	+5.05/-5.05	+0.5/-0.5	78%		
	YD5-24D12	18~36	+12/-12	+0.2/-0.2	78%		
	YD5-24D15	18~36	+15/-15	+0.17/-0.17	80%		
	YD5-48D05	36~72	+5.05/-5.05	+0.5/-0.5	78%		
	YD5-48D12	36~72	+12/-12	+0.2/-0.2	78%		
	YD5-48D15	36~72	+15/-15	+0.17/-0.17	80%		

产品示意图



管脚定义

定义	2	3	9	10	11	14	15	16	22	23
单路	-Vin	-Vin	NC	NC	NC	+Vo	NC	-Vo	+Vin	+Vin
双路	-Vin	-Vin	COM	NC	Vo2	Vo1	NC	COM	+Vin	+Vin