

# YND5 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				
Temperature Coefficient		± 0.02%/		

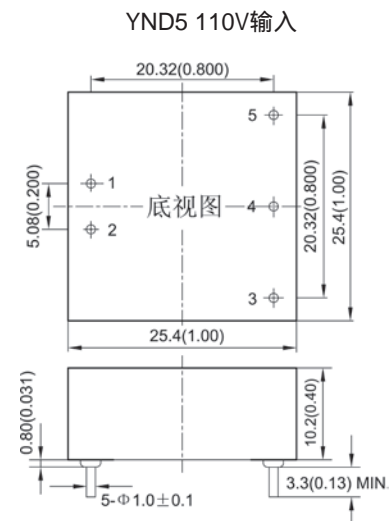
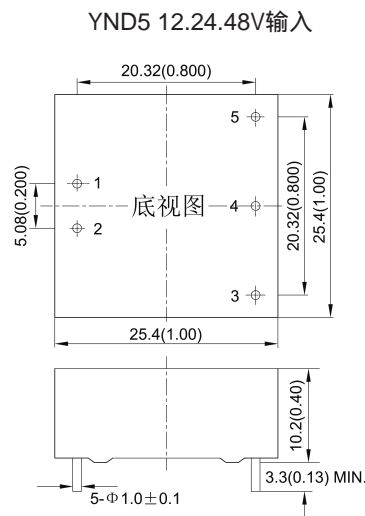
## 综合特性General

隔离电压			500Vdc/1min/1mA	Input - Output
Isolation Voltage				
开关频率			300KHz	
Switching Frequency				
MTBF			2 × 10 <sup>6</sup> h	Bellcore TR332,25
工作壳温	-25		+95	Industry 工业级
Case Temperature	-40		+95	Military AD 军品AD级
	-40		+95	Military AG 军品AG级
	-55		+105	Military AH 军品AH级
储存温度				
Storage Temperature	-55		+125	
相对湿度				
Relative Humidity	10%		90%	
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) Output Voltage	输出电流(A) Output Current	效率 Efficiency
			Vo1/Vo2	Io1/Io2	
5W单路	YND5-12S03	9~18	3.3	1.2	74%
	YND5-12S05	9~18	5.05	1	75%
	YND5-12S12	9~18	12	0.41	77%
	YND5-12S15	9~18	15	0.33	77%
	YND5-12S24	9~18	24	0.21	77%
	YND5-12S48	9~18	48	0.11	77%
	YND5-24S03	18~36	3.3	1.2	74%
	YND5-24S05	18~36	5.05	1	78%
	YND5-24S12	18~36	12	0.41	78%
	YND5-24S15	18~36	15	0.33	78%
	YND5-24S24	18~36	24	0.21	79%
	YND5-24S48	18~36	48	0.11	79%
	YND5-48S03	36~72	3.3	1.2	77%
	YND5-48S05	36~72	5.05	1	79%
	YND5-48S12	36~72	12	0.41	79%
	YND5-48S15	36~72	15	0.33	79%
	YND5-48S24	36~72	24	0.21	80%
	YND5-48S48	36~72	48	0.11	80%
	YND5-110S03	66~160	3.3	1.2	71%
	YND5-110S05	66~160	5.05	1	74%
YND5-110S12	66~160	12	0.41	78%	
YND5-110S15	66~160	15	0.33	78%	
5W双路	YND5-12D05	9~18	+5.05/-5.05	+0.5/-0.5	74%
	YND5-12D12	9~18	+12/-12	+0.21/-0.21	76%
	YND5-12D15	9~18	+15/-15	+0.16/-0.16	76%
	YND5-24D05	18~36	+5.05/-5.05	+0.5/-0.5	77%
	YND5-24D12	18~36	+12/-12	+0.21/-0.21	79%
	YND5-24D15	18~36	+15/-15	+0.16/-0.16	80%
	YND5-48D05	36~72	+5.05/-5.05	+0.5/-0.5	78%
	YND5-48D12	36~72	+12/-12	+0.21/-0.21	79%
YND5-48D15	36~72	+15/-15	+0.16/-0.16	80%	

### 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