

YND15-40 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		On		CNT悬空或接TTL高电平
Control		Off		CNT与-Vin相连

输出特性Output

输出电压精度			± 1%	Vo1
Setpoint Accuracy			± 3%	Vo2、Vo3
电压调节		± 10%		Vo2、Vo3跟踪Vo1
Trim Range				
源效应			± 0.2%	Vo1
Line Regulation			± 1.5%	Vo2、Vo3
负载效应			± 0.5%	Vo1
Load Regulation			± 4%	Vo2、Vo3
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

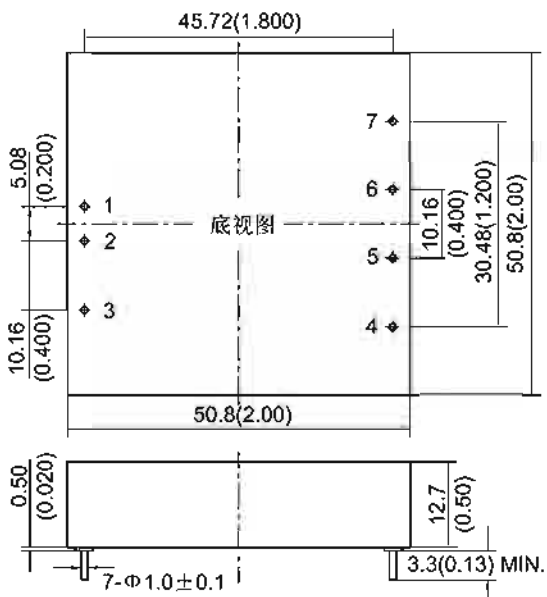
隔离电压			1500Vdc/1min/1mA	Input-Output
Isolation Voltage				
开关频率		330KHz		
Switching Frequency				
MTBF		2 × 10 ⁶ h		Bellcore TR332, 25°C
工作壳温	-25°C		+95°C	Industry 工业级
Case Temperature	-40°C		+95°C	Military AD 军品AD级
	-40°C		+95°C	Military AG 军品AG级
	-55°C		+105°C	Military AH 军品AH级
储存温度			+125°C	
Storage 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) Output Voltage	输出电流(A) Output Current	效率 Efficiency
			Vo1/Vo2/Vo3	Io1/Io2/Io3	
15W单路	YND15-12S05	9~18	5.05	3.0	81%
	YND15-12S12	9~18	12	1.25	81%
	YND15-12S15	9~18	15	1.0	81%
	YND15-12S24	9~18	24	0.63	83%
	YND15-12S48	9~18	48	0.31	82%
	YND15-24S05	18~36	5.05	3.0	82%
	YND15-24S12	18~36	12	1.25	82%
	YND15-24S15	18~36	15	1.0	82%
	YND15-24S24	18~36	24	0.63	83%
	YND15-24S48	18~36	48	0.31	82%
	YND15-48S05	36~72	5.05	3.0	82%
	YND15-48S12	36~72	12	1.25	82%
	YND15-48S15	36~72	15	1.0	83%
	YND15-48S24	36~72	24	0.63	83%
	YND15-48S48	36~72	48	0.31	83%
15W双路	YND15-24D05	18~36	+5.05/-5.05	+1.5/-1.5	82%
	YND15-24D12	18~36	+12/-12	+0.63/-0.63	82%
	YND15-24D15	18~36	+15/-15	+0.5/-0.5	82%
	YND15-48D05	36~72	+5.05/-5.05	+1.5/-1.5	82%
	YND15-48D12	36~72	+12/-12	+0.63/-0.63	82%
	YND15-48D15	36~72	+15/-15	+0.5/-0.5	82%
15W三路	YND15-24T05D12	18~36	+5.05/+12.3/-12.3	+2/+0.25/-0.25	80%
	YND15-24T05D15	18~36	+5.05/+15/-15	+2/+0.2/-0.2	80%
	YND15-24T05S12	18~36	+5.05/+12.3/-5.05	+2/+0.25/-0.5	80%
	YND15-48T05D12	36~72	+5.05/+12.3/-12.3	+2/+0.25/-0.25	81%
	YND15-48T05D15	36~72	+5.05/+15/-15	+2/+0.2/-0.2	81%
	YND15-48T05S12	36~72	+5.05/+12.3/-5.05	+2/+0.25/-0.5	81%
25W单路	YND25-12S05	9~18	5.05	5.0	81%
	YND25-12S12	9~18	12	2.0	81%
	YND25-12S15	9~18	15	1.67	81%
	YND25-12S24	9~18	24	1.04	83%
	YND25-12S48	9~18	48	0.52	82%
	YND25-24S05	18~36	5.05	5	81%
	YND25-24S12	18~36	12	2.0	81%
	YND25-24S15	18~36	15	1.67	82%
	YND25-24S24	18~36	24	1.04	83%
	YND25-24S48	18~36	48	0.52	82%

	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 Vo1/Vo2/Vo3	Output Current Io1/Io2/Io3	
25W单路	YND25-48S03	36~72	3.3	6	86%
	YND25-48S05	36~72	5.05	5	82%
	YND25-48S12	36~72	12	2.0	84%
	YND25-48S15	36~72	15	1.67	84%
	YND25-48S24	36~72	24	1.04	83%
	YND25-48S48	36~72	48	0.52	82%
	YND25-110S05	66~160	5.05	5	81%
	YND25-110S12	66~160	12	2.0	84%
	YND25-110S15	66~160	15	1.67	84%
	YND25-110S24	66~160	24	1.04	84%
YND25-110S48	66~160	48	0.52	82%	
25W双路	YND25-24D05	18~36	+5.05/-5.05	+2.5/-2.5	82%
	YND25-24D05-05	18~36	+5.05/-5.05	+4/-1	82%
	YND25-24D12	18~36	+12/-12	+1.04/-1.04	83%
	YND25-24D15	18~36	+15/-15	+0.83/-0.83	83%
	YND25-48D05	36~72	+5.05/-5.05	+2.5/-2.5	82%
	YND25-48D05-05	36~72	+5.05/-5.05	+4/-1	82%
	YND25-48D12	36~72	+12/-12	+1.04/-1.04	83%
	YND25-48D15	36~72	+15/-15	+0.83/-0.83	83%
25W三路	YND25-24T05D12	18~36	+5.05/+12.3/-12.3	+3.5/+0.3/-0.3	82%
	YND25-24T05D15	18~36	+5.05/+15/-15	+3.5/+0.25/-0.25	82%
	YND25-24T05S12	18~36	+5.05/+12.3/-5.05	+3.5/+0.3/-1	82%
	YND25-48T05D12	36~72	+5.05/+12.3/-12.3	+3.5/+0.3/-0.3	82%
	YND25-48T05D15	36~72	+5.05/+15/-15	+3.5/+0.25/-0.25	82%
	YND25-48T05S12	36~72	+5.05/+12.3/-5.05	+3.5/+0.3/-1	82%
30W单路	YND30-12S05	9~18	5.05	6	81%
	YND30-12S12	9~18	12	2.5	83%
	YND30-12S15	9~18	15	2	84%
	YND30-12S24	9~18	24	1.25	85%
	YND30-12S48	9~18	48	0.63	84%
	YND30-24S03	18~36	3.3	7	82%
	YND30-24S05	18~36	5.05	6	82%
	YND30-24S12	18~36	12	2.5	84%
	YND30-24S15	18~36	15	2	84%
	YND30-24S24	18~36	24	1.25	85%
	YND30-24S48	18~36	48	0.63	84%

	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			
30W单路	YND30-48S03	36~72	3.3	7	87%		
	YND30-48S05	36~72	5.05	6	81%		
	YND30-48S12	36~72	12	2.5	84%		
	YND30-48S15	36~72	15	2	84%		
	YND30-48S24	36~72	24	1.25	84%		
	YND30-48S48	36~72	48	0.63	84%		
	YND30-110S05	66~160	5.05	6	82%		
	YND30-110S12	66~160	12	2.5	85%		
	YND30-110S15	66~160	15	1.25	85%		
30W双路	YND30-24D05	18~36	+5.05/-5.05	+3/-3	82%		
	YND30-24D05-05	18~36	+5.05/-5.05	+5/-1	82%		
	YND30-24D12	18~36	+12/-12	+1.25/-1.25	83%		
	YND30-24D15	18~36	+15/-15	+1/-1	83%		
	YND30-48D05	36~72	+5.05/-5.05	+3/-3	82%		
	YND30-48D05-05	36~72	+5.05/-5.05	+5/-1	82%		
	YND30-48D12	36~72	+12/-12	+1.25/-1.25	83%		
	YND30-48D15	36~72	+15/-15	+1/-1	83%		
40W单路	YND40-48S05	36~72	5.05	8	85%		
	YND40-48S12	36~72	12	3.3	86%		
	YND40-48S15	36~72	15	2.7	86%		
	YND40-48S24	36~72	24	1.7	87%		

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
三路	+Vin	-Vin	CNT	Vo3	COM	Vo1	Vo2