

YED15 Series



输入特性Input	Min	Nom	Max	Notes
输入电压Vdc	18	24	36	
Input Voltage	36	48	72	
遥控		On		CNT悬空或接TTL高电平
Control		Off		CNT与-Vin相连

输出特性Output

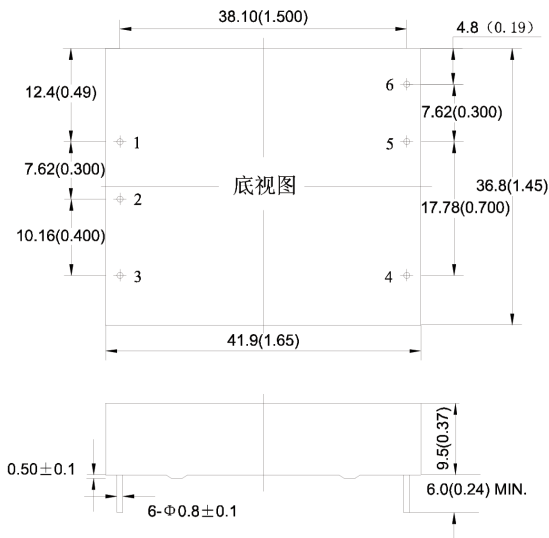
输出电压精度			± 1%	
Setpoint Accuracy				
电压调节		± 10%		
Trim Range				
源效应			± 0.2%	
Line Regulation				
负载效应			± 0.5%	
Load Regulation				
动态响应			3%Vo Pk deviation	50 ~ 75% load
Dynamic Response			200 μ S settling time	50 ~ 25% load
纹波与噪声			50mVp-p	Vo ≤ 5Vdc
Ripple and Noise			100mVp-p	Other
			200mVp-p	Vo ≥ 48Vdc
温度系数		± 0.02%/°C		
Temperature Coefficient				

综合特性General

隔离电压			500Vdc/1min/0.5mA	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
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
YED15-24S03	18~36	3.3	3.5	78%
YED15-24S05	18~36	5.05	3	80%
YED15-24S12	18~36	12	1.25	83%
YED15-24S15	18~36	15	1	83%
YED15-48S03	36~72	3.3	3.5	78%
YED15-48S05	36~72	5.05	3	81%
YED15-48S12	36~72	12	1.25	84%
YED15-48S15	36~72	15	1	84%

产品示意图



管脚定义

定义	1	2	3	4	5	6
单路	+Vin	-Vin	CNT	TRIM	+Vo	-Vo