

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

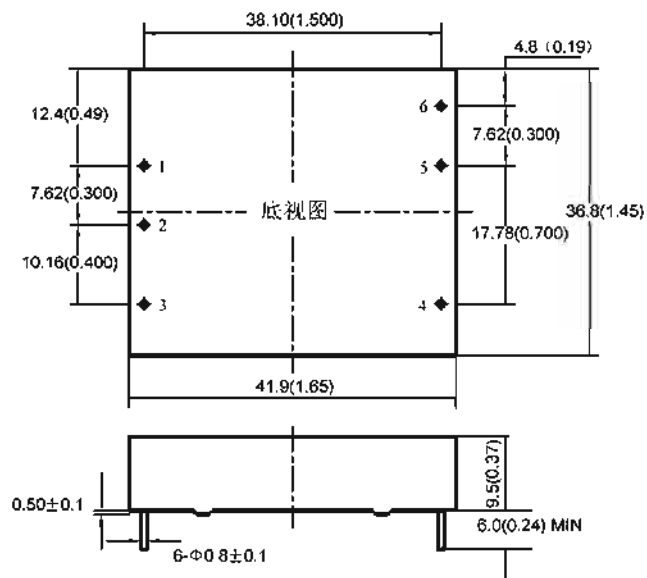
| | | | | |
|-------------------------|--|------------|-----------------------|---------------|
| 输出电压精度 | | | ± 1% | |
| Setpoint Accuracy | | | | |
| 电压调节 | | ± 10% | | |
| Trim Range | | | | |
| 源效应 | | | ± 0.2% | |
| Line Regulation | | | | |
| 负载效应 | | | ± 0.5% | |
| Load Regulation | | | | |
| 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 | | | 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 |
| 储存温度 | | | +125°C | |
| Storage Temperature | -55°C | | | |
| 相对湿度 | | | 90% | |
| Relative Humidity | 10% | | | |
| 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 |