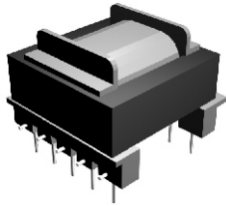


EF20 - 2 or 3 Outputs: 5/5V or 12/12V or 3.3+5/12V Switching Transformer

Meisongbei



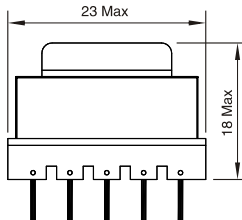
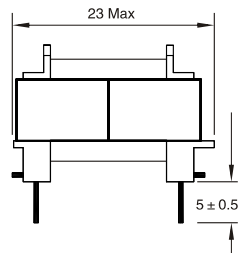
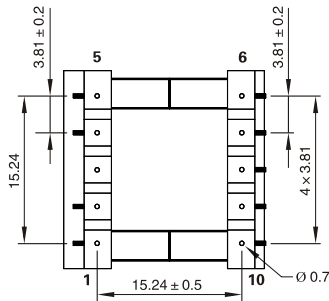
Features

- Primary / Secondary Insulation $\geq 4000V$
- Primary / Auxiliary Insulation $\geq 1500V$
- Creepage distances Primary / secondary $\geq 6mm$

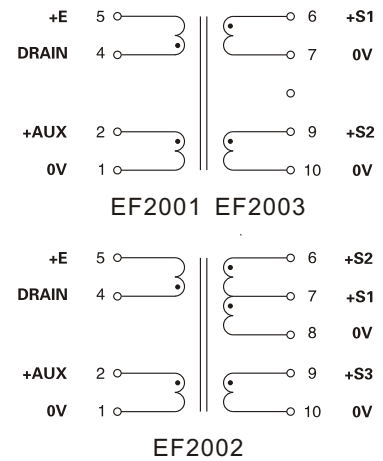
Applications

- AC-DC converters
- DC-DC converters
- Switch Power supplies
- SMPS: Flyback
- SMPS: Half Bridge and Full Bridge

Physical Characteristics (Unit:mm)



Schematic



Pin 3 Removed
PCB Hole Diameter=1.2mm

Electrical Characteristics

| Part Number | | Output Power max | Windings | | | | | Inductance ($\pm 10\%$) | Ambient Temperature |
|-------------|-------|---------------------|----------|------|-------|----------------|---------------|---------------------------|------------------------|
| | | | | Pins | Turns | Voltage | Current (max) | | |
| EF2001 | 74080 | 24W | Pri | 4-5 | 86 | 80 - 135 (VOR) | 1.0 Apeak | 1000 uH | <50°C |
| | | | Aux | 2-1 | 12 | 11 - 18 Vdc | 0.3 Adc | | |
| | | | S1 | 6-7 | 10 | 9 - 15 Vdc | 1.5 Adc | | |
| | | | S2 | 9-10 | 10 | 9 - 15 Vdc | 1.5 Adc | | |
| EF2002 | 74081 | 20W | Pri | 4-5 | 80 | 75 (VOR) | 0.9 Apeak | 1100 uH | <50°C |
| | | | Aux | 2-1 | 17 | 15 Vdc | 0.3 Adc | | |
| | | | S1 | 7-8 | 4 | 3.3 Vdc | 3 Adc | | |
| | | | S2 | 6-8 | 6 | 5 Vdc | Sum S1+S2 | | |
| EF2003 | 74082 | 20W | Pri | 4-5 | 86 | 60 - 135 (VOR) | 0.85 Apeak | 1300 uH | <50°C |
| | | | Aux | 2-1 | 12 | 7 - 18 Vdc | 0.3 Adc | | |
| | | | S1 | 6-7 | 5 | 3 - 7.5 Vdc | 2.0 Adc | | |
| | | | S2 | 9-10 | 5 | 3 - 7.5 Vdc | 2.0 Adc | | |