

# EL19 - 2 Output: 5 or 12V Switching Transformer

**Meisongbei**



## Features

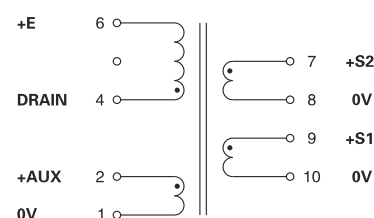
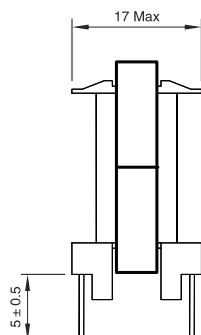
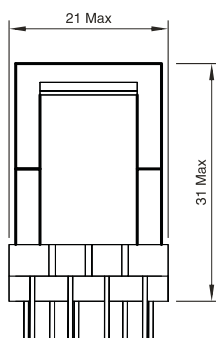
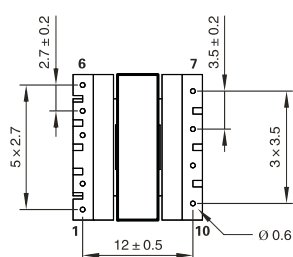
- Primary / Secondary Insulation  $\geq 4000V$
- Primary / Auxiliary Insulation  $\geq 1500V$
- Creepage distances Primary / secondary  $\geq 6mm$

## 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=1.1mm

## Electrical Characteristics

Part Number	Output Power max	Windings						Ambient Temperature	Frequency
			Pins	Turns	Voltage	Current (max)	Inductance ( $\pm 10\%$ )		
EL1901	18VA	Pri	4-6	108	85 - 265 Vrms	08 Apeak	1250 uH	<50°C	132KHz
		S1	2-1	12	7 - 12 Vdc	0.1 Adc			
		Pri	9-10	6	3.3 - 7 Vdc	3 Adc			
		S1	7-8	14	8 - 16.5 Vdc	1.4 Adc			
EL1902	18VA	Pri	4-6	108	85 - 265 Vrms	1.1 Apeak	900 uH	<50°C	100KHz
		S1	2-1	12	7 - 12 Vdc	0.1 Adc			
		Pri	9-10	6	3.3 - 7 Vdc	3 Adc			
		S1	7-8	14	8 - 16.5 Vdc	1.4 Adc			