

# EL19 - 5 Output: 3.3 / 5 / 12 / 18 / 30V Switching Transformer

**Meisongbei**



## Features

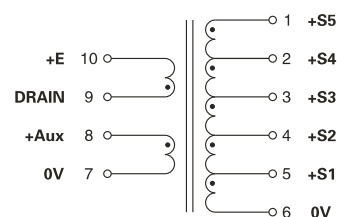
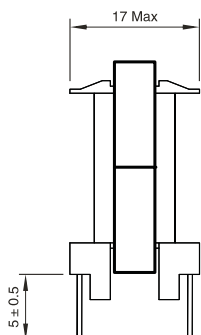
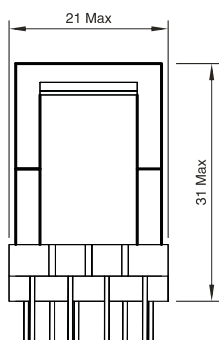
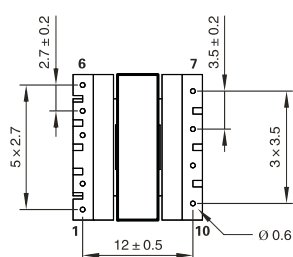
- Primary / Secondary Insulation  $\geq 4000V$
- Primary / Auxiliary Insulation  $\geq 1500V$
- Creepage distances Primary / secondary  $\geq 6mm$

## Applications

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

## Physical Characteristics (Unit:mm)

## Schematic



PCB Hole Diameter=1.1mm

## Electrical Characteristics

Part Number	Output Power max	Windings					Inductance ( $\pm 10\%$ )	Ambient Temperature	Frequency
			Pins	Turns	Voltage	Current (max)			
EL1903	16VA	Pri	9-10	120	85 - 265 Vrms	0.85 Apeak	1250 uH	<50°C	132KHz
		Aux	8-7	17	15 Vdc	0.2 Adc			
		S1	5-6	4	3.3 Vdc	2 Adc			
		S2	4-6	6	5 Vdc	Sum S1+S2			
		S3	3-6	14	12 Vdc	0.8 Adc			
		S4	2-6	20	18 Vdc	0.8 Adc			
		S5	1-6	33	30 Vdc	0.2 Adc			