



# T74020 SERIES

## 10-18W, EL19, Two Output, Flyback Transformer (Ferrite Core)

### FEATURES

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

### OPTIONS

- Bulk packaging is standard
- Custom design available

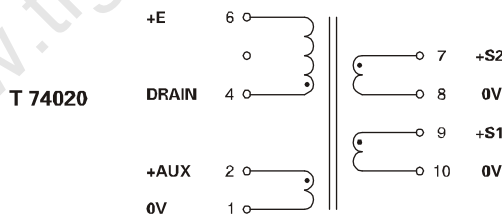
### APPLICATIONS

- AC-DC converters
- DC-DC converters
- Switch Power supplies
- SMPS: Flyback, Forward and Push-pull
- SMPS: Half Bridge and Full Bridge

Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TNY268	185 - 265 Vrms	18W	132 kHz
Power Integrations	TOP243P	185 - 265 Vrms	18W	132 kHz
Power Integrations	TOP243P	85 - 265 Vrms	12W	132 kHz
ST Microelectronics	VIPer20	85 - 265 Vrms	10W	100 kHz
ST Microelectronics	VIPer20	185 - 265 Vrms	12W	100 kHz
ST Microelectronics	VIPer50	185 - 265 Vrms	16W	100 kHz
Motorola	MC33370	185 - 265 Vrms	16W	100 kHz
Infineon	TDA16832	185 - 265 Vrms	16W	70 kHz

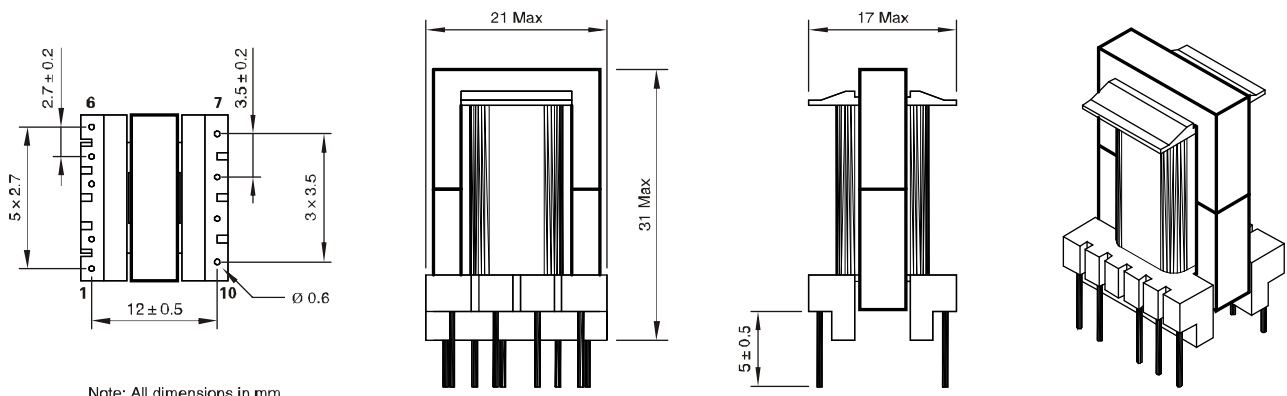
SIZE EL19 - 2 OUTPUTS : 5 & 12V - FLYBACK TRANSFORMER							
Part Number	Output Power Max.	Windings					Inductance (+/-10%)
			Pins	Turns	Voltage	Current max	
T74020	18W	Pri	4-6	108	65-130 (VOR)	0.8 Apeak	1250 $\mu$ H
		Aux	2-1	12	7-14 Vdc	0.1 Adc	
		S1	9-10	6	3.3-7 Vdc	3 Adc	
		S2	7-8	14	8-16.5 Vdc	1.4 Adc	

- Ambient temperature  $< 50^{\circ}C$
- Construction conforms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94V-0 listed materials



Note: Regulation with auxiliary winding

Note: PIN 3 Removed, PCB Drilling Diameter = 1.1mm



Note: All dimensions in mm



# T74021 SERIES

## 10-18W, EL19, Two Output, Flyback Transformer (Ferrite Core)

### FEATURES

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

### OPTIONS

- Bulk packaging is standard
- Custom design available

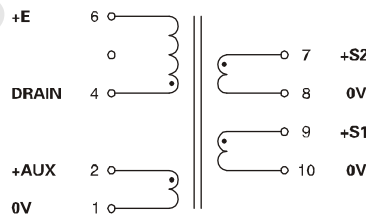
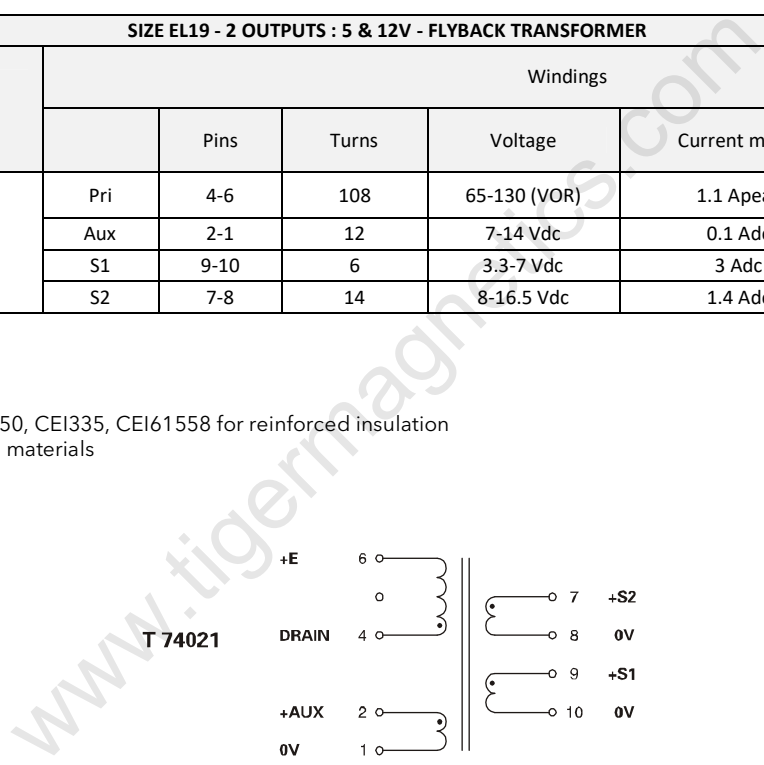
### APPLICATIONS

- AC-DC converters
- DC-DC converters
- Switch Power supplies
- SMPS: Flyback, Forward and Push-pull
- SMPS: Half Bridge and Full Bridge

Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TOP243Y	185 - 265 Vrms	18W	132 kHz
Power Integrations	TOP243Y	85 - 265 Vrms	12W	66 or 132 kHz
ST Microelectronics	VIPer50	85 - 265 Vrms	13W	70 kHz
Motorola	MC33370	85 - 265 Vrms	13W	100 kHz
Infineon	TDA16831	92 - 265 Vrms	10W	100 kHz

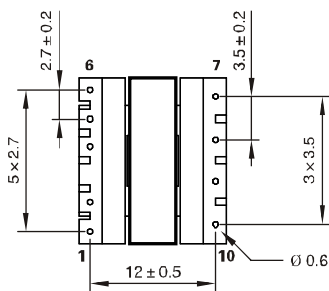
SIZE EL19 - 2 OUTPUTS : 5 & 12V - FLYBACK TRANSFORMER							
Part Number	Output Power Max.	Windings					Inductance ( $\pm 10\%$ )
			Pins	Turns	Voltage	Current max	
T 74021	18W	Pri	4-6	108	65-130 (VOR)	1.1 Apeak	900 $\mu$ H
		Aux	2-1	12	7-14 Vdc	0.1 Adc	
		S1	9-10	6	3.3-7 Vdc	3 Adc	
		S2	7-8	14	8-16.5 Vdc	1.4 Adc	

- Ambient temperature  $< 50^{\circ}C$
- Construction conforms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94V-0 listed materials



Note: Regulation with auxiliary winding

Note: PIN 3 Removed, PCB Drilling Diameter = 1.1mm



Note: All dimensions in mm

