

POWER FERRITE TRANSFORMERS

10-18W EL19 - 2 OUTPUT FLYBACK TRANSFORMERS

T 74020 SERIES

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

COMMON APPLICATIONS:

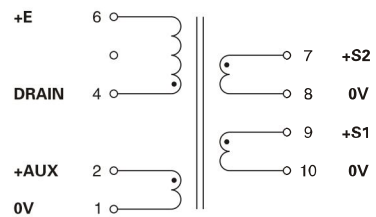
- AC-DC converters
- DC-DC converters
- Switch Power supplies
- SMPS: Flyback, Forward and Push-pull
- SMPS: Half Bridge and Full Bridge

ELECTRICAL CHARACTERISTICS

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

TECHNICAL INFORMATION

- Ambient temperature $<$ 50°C
- Construction conforms to CEI 950, CEI 335, CEI 61558 for reinforced insulation
- Exclusively uses UL94-VO listed materials

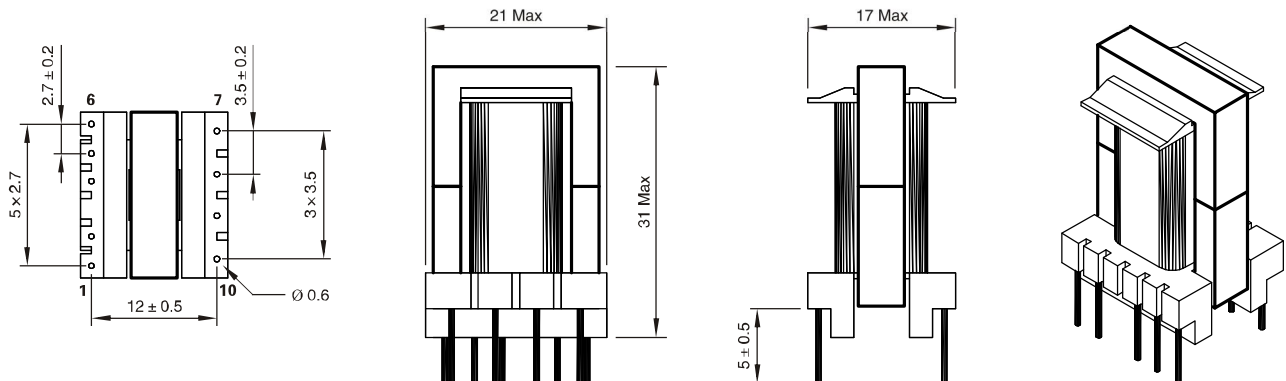


Note: PIN 3 Removed, PCB Drilling Diameter = 1.1mm

SIZE EL19 - 2 OUTPUTS : 5 & 12V - FLYBACK TRANSFORMER							
Part Number	Output Power max	Windings					
		Pins	Turns	Voltage	Current max	Inductance (+/-10%)	
T 74020	18 w	Pri	4-6	108	65-130 (VOR)	0.8 Apeak	1250 μ 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	

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS

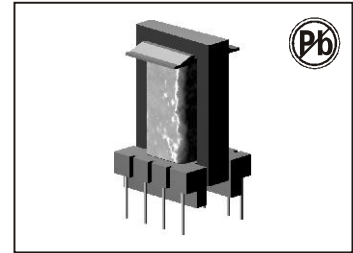


POWER FERRITE TRANSFORMERS

10-18W EL19 - 2 OUTPUT

FLYBACK TRANSFORMERS

T 74021 SERIES



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

COMMON APPLICATIONS:

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

ELECTRICAL CHARACTERISTICS

Control IC Manufacturer	Control IC P/N	Input Voltage	Power	Frequency
Power Integrations	TOP243Y	185 - 265 Vrms	18 w	132 kHz
Power Integrations	TOP243Y	85 - 265 Vrms	18 w	66 or 132 kHz
ST Microelectronics	Viper50	85 - 265 Vrms	18 w	70 kHz
Motorola	MC33370	85 - 265 Vrms	13 w	100 kHz
Infineon	TDA16831	92 - 265 Vrms	10 w	100 kHz

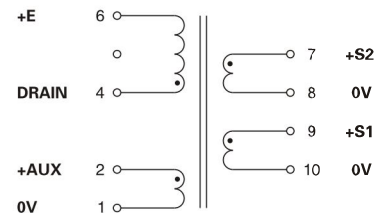
TECHNICAL INFORMATION

- Ambient temperature $<$ 50°C
- Construction conforms to CEI 950, CEI 335, CEI 61558 for reinforced insulation
- Exclusively uses UL94-V0 listed materials

SIZE EL19 - 2 OUTPUTS : 5 & 12V - FLYBACK TRANSFORMER							
Part Number	Output Power max	Windings					
		Pins	Turns	Voltage	Current max	Inductance (+/-10%)	
T 74021	18 w	Pri	4-6	108	65-130 (VOR)	1.1 Apeak	900 μ 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	

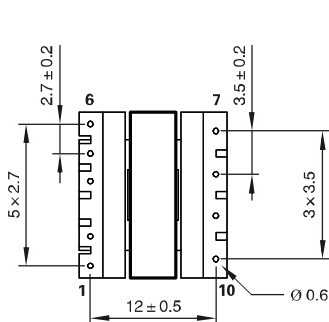
Note: Regulation with auxiliary winding

T 74021



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

PHYSICAL CHARACTERISTICS



Note: All dimensions in mm

