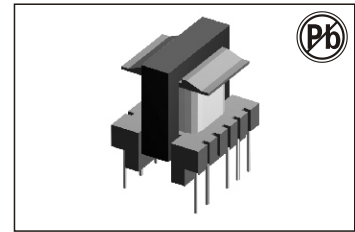


POWER FERRITE TRANSFORMERS

1-6W E16 - 2 OUTPUT

FLYBACK TRANSFORMER SERIES

T 74000, 74003 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

74000 E16 5w 5/12V				
Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TOP242P	85 - 265 Vrms	5 w	132 kHz
ST Microelectronics	VIPer20	85 - 265 Vrms	4 w	70 kHz

74003 E16 6w 3.3/5V				
Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Infineon	TDA16831	185 - 265 Vrms	6 w	100 kHz
Motorola	MC33369	85 - 265 Vrms	6 w	100 kHz
Power Integrations	TOP242P	85 - 265 Vrms	5 w	132 kHz
ST Microelectronics	VIPer20	85 - 265 Vrms	6 w	70 kHz
ST Microelectronics	VIPer20	85 - 265 Vrms	3 w	40 kHz

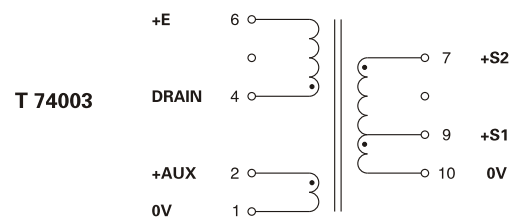
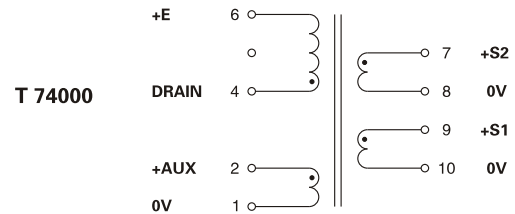
SIZE E16 - 2 OUTPUT : 5 or 12V & 3.3 or 5V - FLYBACK TRANSFORMER

Part Number	Output Power max	Windings					Inductance (+/-10%)
			Pins	Turns	Voltage	Current max	
T 74000	5w	Pri	4-6	138	62 - 130 (VOR)	0.27 Apeak	3900 μ H
		Aux	2-1	16	7 - 14 Vdc	0.1 Adc	
		S1	9-10	8	3.3 - 7 Vdc	1.2 Adc	
		S2	7-8	19	8 - 17 Vdc	0.4 Adc	
T 74003	6w	Pri	4-6	120	55 - 115 (VOR)	0.3 Apeak	3000 μ H
		Aux	2-1	17	8 - 16 Vdc	0.1 Adc	
		S1	9-10	5	2 - 4 Vdc	0.8 Adc	
		S2	7-10	7	3 - 6 Vdc	1.2 Adc	

Note: Regulation with auxiliary winding

TECHNICAL INFORMATION

- Ambient temperature $<$ 70°C
- Construction conforms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94-VO listed materials



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

PHYSICAL CHARACTERISTICS

