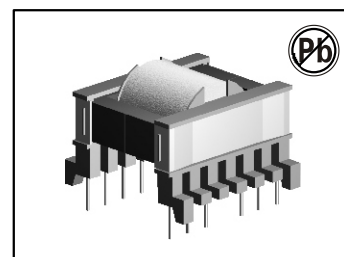


POWER FERRITE TRANSFORMERS

60-90W ETD34 - 4 OUTPUT

FLYBACK TRANSFORMERS

T 74050 SERIES



FEATURES:

- Primary / Secondary Insulation $\geq 4000V$
- Primary Auxiliary Insulation $\geq 1500V$
- Creepage distances Primary / secondary $\geq 8mm$

OPTIONS:

- Bulk packaging is standard
- Custom design available

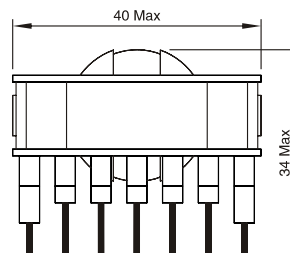
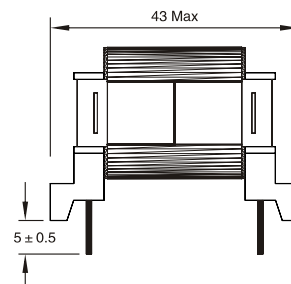
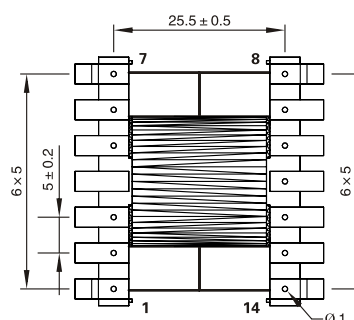
COMMON APPLICATIONS:

- 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
Infineon	TDA16834	185-265 Vrms	80 w	100 kHz
Infineon	TDA16836	85-265 Vrms	60 w	100 kHz
Motorola	MC33373	185-265 Vrms	80 w	100 kHz
Motorola	MC33373	85-265 Vrms	60 w	100 kHz
Power Integrations	TOP246Y	185-265 Vrms	90 w	132 kHz
Power Integrations	TOP246Y	85-265 Vrms	60 w	66 or 132 kHz
ST Microelectronics	VIPer100A	185-265 Vrms	80 w	70 kHz
ST Microelectronics	VIPer100A	85-265 Vrms	60 w	70 kHz

PHYSICAL CHARACTERISTICS

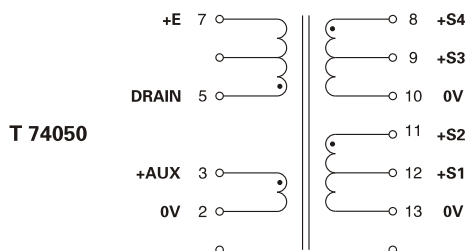


SIZE ETD34 – 4 OUTPUTS : 5 + 12/12v – FLYBACK TRANSFORMER							
Part Number	Output Power max	Windings					
			Pins	Turns	Voltage	Current max	Inductance (+/-10%)
T 74050	90w	Pri	5–7	36	65–125(VOR)	2.8 Apeak	500 μ H
		Aux	3–2	4	7–14 Vdc	0.5 Adc	
		S1	12–13	2	3.3–6.5	5 Adc	
		S2	11–13	5	8.5–17 Vdc	3 Adc	
		S3	9–10	2	3.3–6.5	5 Adc	
		S4	8–10	5	8.5–17 Vdc	3 Adc	

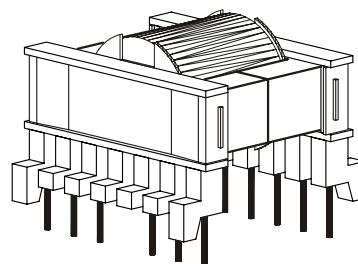
Note : S1/S3 or S2/S4 can be connected in series or in parallel

TECHNICAL INFORMATION

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



Note: PIN 4 Removed, PCB Drilling Diameter = 1.5mm



Note: All dimensions in mm