

# SCS 74030,74032 SERIES 15-30W E25 -3 or 10 UTPUT FLYBACK TRANSFORMERS

## FEATURES

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

Bulk packaging is standard  
 Custom design available

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



Additional information:

We reserve the right to make technical changes or modify the contents of this document without prior notice.

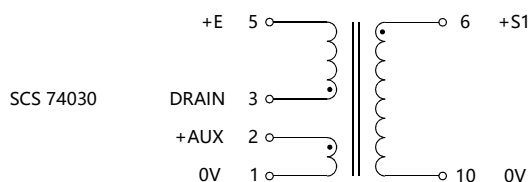
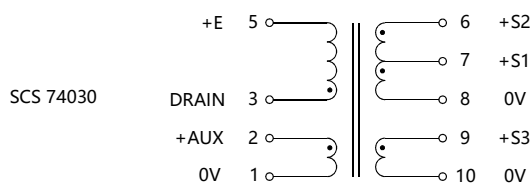
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We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them. New approvals may be required.



## TECHNICAL INFORMATION

- Ambient temperature  $< 50^{\circ}C$
- Construction confirms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94-VO listed materials



Note: PIN 3 Removed, PCB Drilling Diameter = 1.4mm

## ELECTRICAL CHARACTERISTICS AT 25°C

P/N	Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
SCS 74030	Fairchild	KA1H0265R	85-265 Vrms	22 w	100 kHz
	Infineon	TDA16832	185-265 Vrms	30 w	100 kHz
	Motorola	MC33371	85-265 Vrms	22 w	100 kHz
	Motorola	MC33371	185-265 Vrms	30 w	100 kHz
	Power Integrations	TOP244P	185-265 Vrms	30 w	132 kHz
	Power Integrations	TOP244Y	85-265 Vrms	25 w	66/132kHz
	ST Microelectronics	VIPer50	85-265 Vrms	22 w	70 kHz
SCS74032	ST Microelectronics	VIPer50	185- 65 Vrms	30 w	70 kHz
	Power Integrations	TOP244P	185-265 Vrms	25 w	132 kHz

## SIZE E25 - 3 or 1 OUTPUTS : 5 + 12/12v or 24v - FLYBACK TRANSFORMER

Part Number	Output Power max	Windings			Current max	Inductance (+/-10%)	
		Pins	Turns	Voltage			
SCS 74030	30W	Pri	3-5	70	65-130(VOR)	1.5Apeak	
		Aux	2-1	8	7-14.5 Vdc	1 Adc	
		S1	7-8	4	3.3-7	3 Adc	750μH
		S2	6-8	9	8-16 Vdc	1.5 Adc	
SCS 74032	35W	Pri	3-5	72	65-125 (VOR)	1.1 Apeak	
		Aux	2-1	10	8-16 Vdc	1 Adc	1100μH
		S1	6-10	18	15-30 Vdc	1.4 Adc	

Note to 74030 : S2 and S3 can be connected in series or in parallel

## PHYSICAL CHARACTERISTICS(unit:mm)

