

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

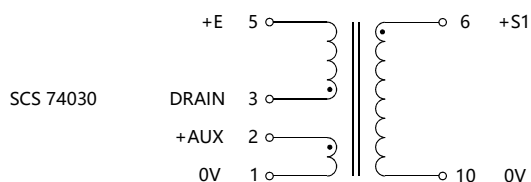
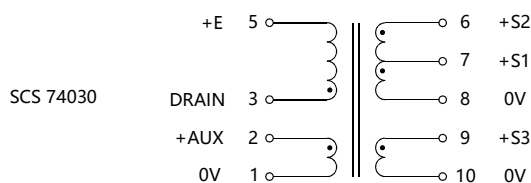


Additional information:
 We reserve the right to make technical changes or modify the contents of this document without prior notice.
 SHARE Ltd. Does not accept any responsibility what so ever for potential errors or possible lack of information in this document.
 We can offer that even custom-made 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					
		Pins	Turns	Voltage	Current max	Inductance (+/-10%)	
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)

