

SCS 74081 SERIES 12-24W EF20 -3 OUTPUT 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.

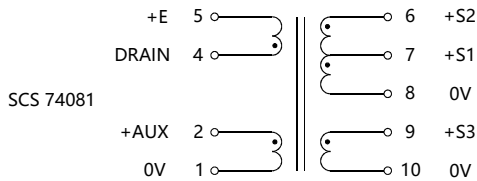
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We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them. New approvals may be required.



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 = 1.2mm

ELECTRICAL CHARACTERISTICS AT 25°C

P/N	Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
SCS 74081	Power Integrations	TOP243P	185-265Vrms	20 w	132 kHz
	Power Integrations	TOP243P	85-265Vrms	14 w	132 kHz

SIZE EL20- 3 OUTPUTS : 5/5v or 12/12v - FLYBACK TRANSFORMER

Part Number	Output Power max	Pins	Turns	Windings		
				Voltage	Current max	Inductance (+/-10%)
SCS 74081	20W	Pri	4-5	80	75 (VOR)	0.9 Apeak
		Aux	2-1	17	15 Vdc	0.3 Adc
		S1	7-8	4	3.3 Vdc	3 Adc
	S2	6-8	6	5 Vdc	sum S1+S2	
	S3	9-10	14	12 Vdc	1.3 Adc	
						1100μH

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS(unit:mm)

