

# SCS 74080,74082 SERIES 12-24W EF20 -2 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

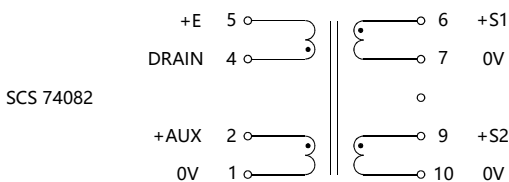
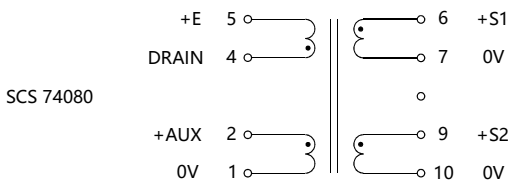


Additional information:  
 We reserve the right to make technical changes or modify the contents of this document without prior notice.  
 SHARE Ltd. Does not accept any responsibility what so ever for potential errors or possible lack of information in this document.  
 We can offer that even custom-made 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



## ELECTRICAL CHARACTERISTICS AT 25°C

P/N	Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
SCS 74080	Power Integrations	TOP243P	185-265Vrms	24 w	132 kHz
	Power Integrations	TOP243P	85-265Vrms	15 w	132 kHz
	Power Integrations	TNY268	185-265Vrms	17 w	132 kHz
SCS 74082	Power Integrations	TOP243P	185-265Vrms	20 w	132 kHz
	Power Integrations	TOP243P	85-265Vrms	14 w	132 kHz

## SIZE EF20 2 OUTPUTS : 5 /5v or 12/12v - FLYBACK TRANSFORMER

Part Number	Output Power max	Windings					
		Pins	Turns	Voltage	Current max	Inductance (+/-10%)	
SCS 74080	24W	Pri	4-5	86	80-135(VOR)	1Apeak	1000μH
		Aux	2-1	12	11- 8 Vdc	0.3 Adc	
		S1	6-7	10	9- 5 Vdc	1.5 Adc	
		S2	9-10	10	9-15 Vdc	1.5 Adc	
SCS 74082	20W	Pri	4-5	86	30-135(VOR)	0.9Apeak	1300μH
		Aux	2-1	12	7-18 Vdc	0.3 Adc	
		S1	6-7	5	3-7.5 Vdc	2.0 Adc	
		S2	9-10	5	3 - 7.5 Vdc	2.0 Adc	

Note: PIN 3 Removed, PCB Drilling Diameter = 1.2mm

Note: S1 and S2 can be connected in series or in parallel

## PHYSICAL CHARACTERISTICS(unit:mm)

