

SCS 74020 SERIES 10-18W EL19 -2 OUTPUT FLYBACK TRANSFORMERS

FEATURES

Primary / Secondary Insulation $\geq 4000V$
 Creepage distances
 Primary/secondary $\geq 6mm$

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

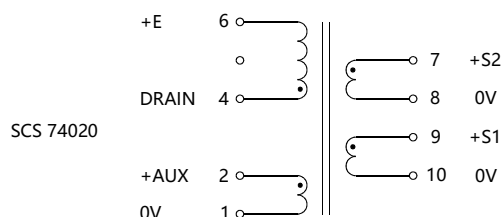


Additional information:
 We reserve the right to make technical changes or modify the contents of this document without prior notice.
 SHARE Ltd. Does not accept any responsibility what so ever for potential errors or possible lack of information in this document.
 We can offer that even custom-made 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 = 1.1mm

ELECTRICAL CHARACTERISTICS AT 25°C

Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TNY268	185-265Vrms	18 w	132 kHz
Power Integrations	TOP243P	185-265Vrms	18 w	132 kHz
Power Integrations	TOP243P	85-265Vrms	12 w	132 kHz
ST Microelectronics	VIPer20	85-265Vrms	10 w	100 kHz
ST Microelectronics	VIPer20	185-265Vrms	12 w	100 kHz
ST Microelectronics	VIPer50	185-265Vrms	16 w	100 kHz
Motorola	MC33370	185-265Vrms	16 w	100 kHz
Infineon	TDA16832	185-265Vrms	16 w	70 kHz

SIZE EL19 - 2 OUTPUTS : 5 & 12V - FLYBACK TRANSFORMER

Part Number	Output Power max	Pins	Turns	Windings			
				Voltage	Current max	Inductance (+/-10%)	
SCS 74020	18W	Pri	4-6	108	65-130(VOR)	0.8 Apeak	1250μH
		Aux	2-1	12	7-14 Vdc	0.1 Adc	
		S1	9-10	6	3.3-7 Vdc	3 Adc	
		S2	7-8	14	8-16.5 Vdc	1.4 Adc	

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS(unit:mm)

