

SCS 74000, 74003 SERIES 1-6W E16 -2 OUTPUT FLYBACK TRANSFORMER



FEATURES

Primary / Secondary Insulation $\geq 4000V$
 Primary Auxiliary Insulation $\geq 1500V$
 Creepage distances
 Primary/secondary $\geq 6mm$

Bulk packaging is standard
 Custom design available

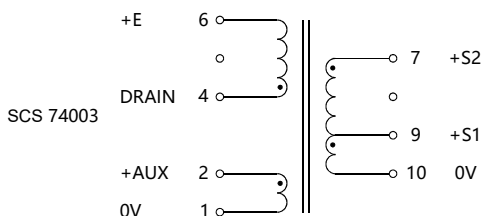
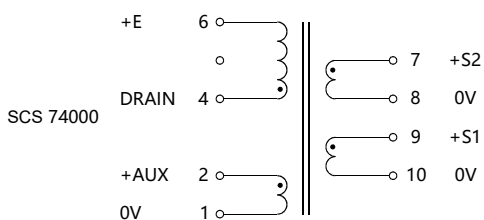
AC-DC converters
 DC-DC converters
 Switch Power supplies
 SMPS: Flyback, Forward and Push-pull
 SMPS: Half Bridge and Full Bridge



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 $< 70^{\circ}C$
- Construction confirms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94-V0 listed materials



Note: PIN 3 Removed, PCB Drilling Diameter = 1.1mm

ELECTRICAL CHARACTERISTICS AT 25°C

74000 E16 5w 5/12V

Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TOP242P	85-265Vrms	5 W	132 kHz
ST Microelectronics	VIPer20	85-265Vrms	4 W	70 kHz

74000 E16 5w 5/12V

Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Infineon	TDA16831	185-265Vrms	6 W	100 kHz
Motorola	MC33369	85-265Vrms	6 W	100 kHz
Power Integrations	TOP242P	85-265Vrms	5 W	132 kHz
ST Microelectronics	VIPer20	85-265Vrms	6 W	70 kHz
ST Microelectronics	VIPer20	85-265Vrms	3 W	40 kHz

SIZE E16 - SINGLE OUTPUT : 5 or 12V - FLYBACK TRANSFORMER

Part Number	Output Power max	Pins	Windings			Inductance (+/-10%)	
			Turns	Voltage	Current max		
SCS 74000	5W	Pri	4-6	138	62-130(VOR)	0.27Apeak	
		Aux	2-1	16	7-14Vdc	0.1Adc	
		S1	9-10	8	3.3-7Vdc	1.2Adc	3000μH
		S2	7-8	19	8-17Vdc	0.4Adc	
SCS 74003	5W	Pri	4-6	120	55-115(VOR)	0.3Apeak	
		Aux	2-1	17	8-16Vdc	0.1Adc	
		S1	9-10	5	2-4Vdc	0.8Adc	3000μH
		S2	7-10	7	3-6Vdc	1.2Adc	

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS(unit:mm)

