

SCS 74001, 74002 SERIES 1-6W E16 - SINGLE OUTPUT FLYBACK TRANSFORMER

FEATURES

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

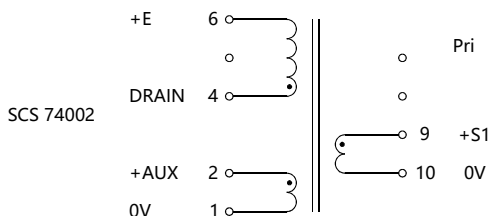
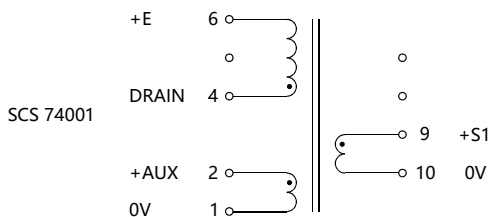
Bulk packaging is standard
 Custom design available

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



TECHNICAL INFORMATION

- Ambient temperature $< 60^{\circ}C$
- 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

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	6 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	Turns	Windings		Current max	Inductance (+/-10%)
				Voltage			
SCS 74001	6W	Pri	4-6	138	60-120(VOR)	0.35 Apeak	3000 μ H
		Aux	2-1	16	8-16Vdc	0.1 Adc	
		S1	9-10	8	3-6Vdc	1.2 Adc	
SCS 74002	6W	Pri	4-6	150	60-120(VOR)	0.38 Apeak	3000 μ H
		Aux	2-1	22	8.5-17Vdc	0.1 Adc	
		S1	9-10	24	9-18Vdc	0.5 Adc	

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS(unit:mm)

