

SCS 74010 SERIES 6-12W E16 -2 OUTPUT FLYBACK TRANSFORMERS



FEATURES

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

Bulk packaging is standard
 Custom design available

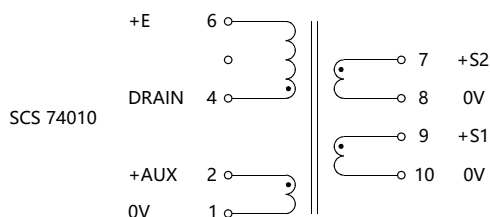
AC-DC converters
 DC-DC converters
 Switch Power supplies
 SMPS: Flyback, Forward and Push-pull
 SMPS: Half Bridge and Full Bridge



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 $< 60^{\circ}C$
- 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
Fairchild	KA5H0165RN	185-265Vrms	10 w	100 kHz
Fairchild	KA5L0165R	85-265Vrms	7 w	50 kHz
Infineon	TDA16831	92-265Vrms	7.5 w	100 kHz
Infineon	TDA16831	185-265Vrms	10 w	100 kHz
Motorola	MC33369	85-265Vrms	8 w	100 kHz
Motorola	MC33369	185-265Vrms	10 w	100 kHz
Power Integrations	TNY267	185-265Vrms	12 w	132 kHz
Power Integrations	TOP242P	85-265Vrms	10 w	132 kHz
Power Integrations	TOP242P	185-265Vrms	12 w	132 kHz
Power Integrations	TOP242P	85-265Vrms	10 w	132 kHz
ST Microelectronics	Viper20	85-265Vrms	8 w	70 kHz
ST Microelectronics	Viper20	185-265Vrms	10 w	70 kHz

SIZE E16 - 2 OUTPUTS : 5 & 12V - FLYBACK TRANSFORMER

Part Number	Output Power max	Windings					
		Pins	Turns	Voltage	Current max	Inductance (+/-10%)	
SCS 74010	12W	Pri	4-6	120	60-125(VOR)	0.55Apeak	1660μH
		Aux	2-1	14	7-14Vdc	0.1 Adc	
		S1	9-10	7	3.3-7Vdc	2 Adc	
		S2	7-8	17	8-17Vdc	1 Adc	

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS(unit:mm)

