

SCS 74094, 74095 SERIES 1-9W E16 -SINGLE 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
 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.

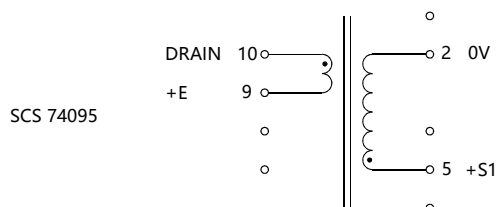
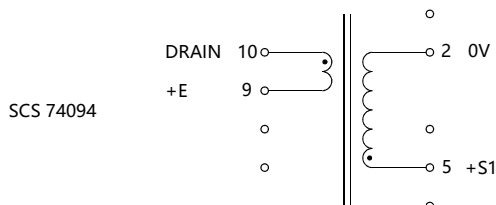
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We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them. New approvals may be required.



TECHNICAL INFORMATION

- Ambient temperature $< 60^{\circ}C$
- Construction confirms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94-V0 listed materials



ELECTRICAL CHARACTERISTICS AT 25°C

74094				
Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TNY255	85-265Vrms	4.2 w	44 kHz
Power Integrations	TNY264	85-265Vrms	5 w	132 kHz
Power Integrations	TNY266	85-265Vrms	9 w	132 kHz

74095				
Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TNY255	85-265Vrms	5 w	44 kHz
Power Integrations	TNY264	85-265Vrms	5 w	132 kHz
Power Integrations	TNY266	85-265Vrms	9 w	132 kHz

SIZE E16 - SINGLE OUTPUT : 5 or 12V TRANSFORMER FOR TINYSWITCH

Part Number	Output Power max	Pins	Windings			Current max	Inductance (+/-10%)
			Turns	Voltage			
SCS 74094	9W	Pri	10-9	135	55-100(VOR)	0.48Apeak	2100μH
		S1	5-2	9	3.3-6Vdc		
SCS 74095	9W	Pri	10-9	135	65-125(VOR)	0.48Apeak	2100μH
		S1	5-2	17	7.5-15Vdc		

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

Note: Regulation with auxiliary winding

PHYSICAL CHARACTERISTICS(unit:mm)

