

SCS 74070 SERIES 120-180W ETD44 - 4 OUTPUT FLYBACK TRANSFORMERS



FEATURES

Primary / Secondary Insulation $\geq 4000V$
 Primary Auxiliary Insulation 1500V
 Creepage distances
 Primary/secondary $\geq 8mm$

Bulk packaging is standard
 Custom design available

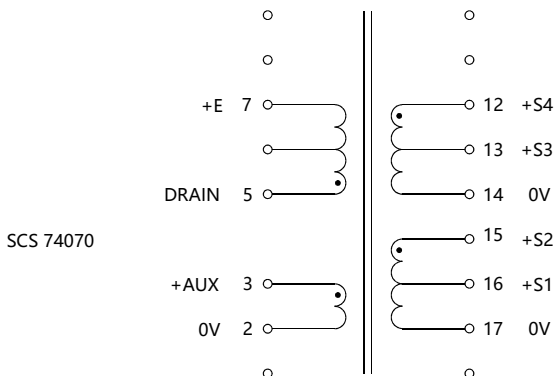
AC-DC converters
 DC-DC converters
 Switch Power supplies
 FAPS: Flyback, Forward and Push-pull
 FAPS: Half Bridge and Full Bridge



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 4 Removed, PCB Drilling Diameter = 1.5mm

ELECTRICAL CHARACTERISTICS AT 25°C

| Control IC Manufacturer | Control IC P/N | Input voltage | Power | Frequency |
|-------------------------|----------------|---------------|-------|-----------|
| Fairchild | KA2S0965 | 185-265Vrms | 160w | 100 kHz |
| Infineon | TDA16837 | 185-265Vrms | 160w | 100 kHz |
| Philips | TEA1566 | 185-265Vrms | 120w | 50 kHz |
| Power Integrations | TOP248Y | 185-265Vrms | 180w | 66/132kHz |
| Power Integrations | TOP249Y | 85-265Vrms | 120w | 66 kHz |

SIZE ETD44 - 4 OUTPUTS : 5 + 12 / 5 + 12v - FLYBACK TRANSFORMER

| Part Number | Output Power max | Windings | | | | | |
|--------------|------------------|----------|-------|---------|-------------|---------------------|-------|
| | | Pins | Turns | Voltage | Current max | Inductance (+/-10%) | |
| SCS 74070 | 180W | Pri | 5-7 | 38 | 65-125(VOR) | 8 Apeak | 300μH |
| | | Aux | 3-2 | 4 | 7-14 Vdc | 0.5 Adc | |
| | | S1 | 16-17 | 2 | 3.3-6.5 | 6 Adc | |
| | | S2 | 15-17 | 5 | 8.5-17 Vdc | 5 Adc | |
| | | S3 | 13-14 | 2 | 3.3-6.5 | 6 Adc | |
| | | S4 | 12-14 | 5 | 8.5-17 Vdc | 5 Adc | |

Note: S1/S3 or S2/S4 can be connected in series or in parallel

PHYSICAL CHARACTERISTICS(unit:mm)

