



T74060 SERIES

70-140W, ETD39, Four Output, Flyback Transformer (Ferrite Core)

FEATURES

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

OPTIONS

- Bulk packaging is standard
- Custom design available

APPLICATIONS

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

| Control IC Manufacturer | Control IC P/N | Input voltage | Power | Frequency |
|-------------------------|----------------|---------------|-------|---------------|
| Fairchild | KA1H0565R | 85-265 Vrms | 70W | 100 kHz |
| Fairchild | KA1H0565R | 185-265 Vrms | 120W | 100 kHz |
| Infineon | TDA16836 | 85-265 Vrms | 70W | 100 kHz |
| Infineon | TDA16836 | 185-265 Vrms | 120W | 100 kHz |
| Motorola | MC33374 | 85-265 Vrms | 70W | 100 kHz |
| Motorola | MC33374 | 185-265 Vrms | 120W | 100 kHz |
| Power Integrations | TOP247Y | 185-265 Vrms | 140W | 132 kHz |
| Power Integrations | TOP247Y | 85-265 Vrms | 90W | 66 or 132 kHz |
| ST Microelectronics | VIPer100A | 85-265 Vrms | 70W | 70 kHz |
| ST Microelectronics | VIPer100A | 185-265 Vrms | 120W | 100 kHz |

| SIZE ETD39 - 4 OUTPUTS : 5 + 12/5 + 12v - FLYBACK TRANSFORMER | | | | | | | |
|---|-------------------|----------|-------|-------|--------------|-------------|---------------------------|
| Part Number | Output Power Max. | Windings | | | | | Inductance ($\pm 10\%$) |
| | | | Pins | Turns | Voltage | Current max | |
| T 74060 | 90W | Pri | 5-1 | 36 | 65-125 (VOR) | 4 Apeak | 440 μ H |
| | | Aux | 3-2 | 4 | 7-14 Vdc | 0.5 Adc | |
| | | S1 | 12-13 | 2 | 3.3-6.5 | 5 Adc | |
| | | S2 | 11-13 | 5 | 8.5-17 Vdc | 5 Adc | |
| | | S3 | 9-10 | 2 | 12 Vdc | 5 Adc | |
| | | S4 | 5-10 | 5 | 18 Vdc | 5 Adc | |

- Ambient temperature $< 50^{\circ}C$
- Construction conforms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94V-0 listed materials

