

AB-36 CRT Monitors

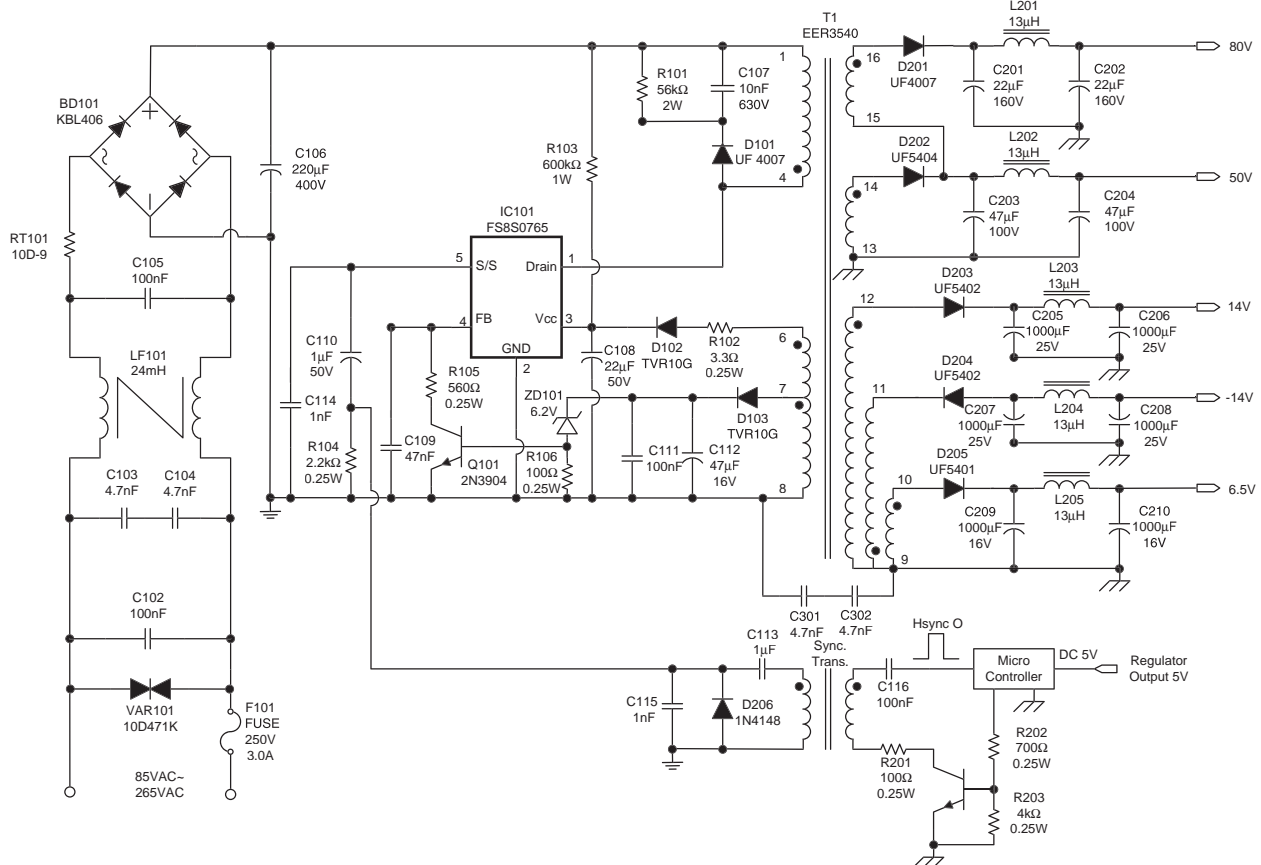
CM-64W-FS8S0765 - 64 Watts

| Application | FPS Device | Input Voltage Range | Rated Output Power | Output Voltage (Rated Current) |
|--------------|-------------|---------------------|--------------------|--|
| CRT Monitors | FS8S0765RCB | 85–265 Vac | 64W | 80V (0.15A) 50V (0.70A) 14V (0.8A) -14V (0.3A) 6.5V (0.3A) |

Features

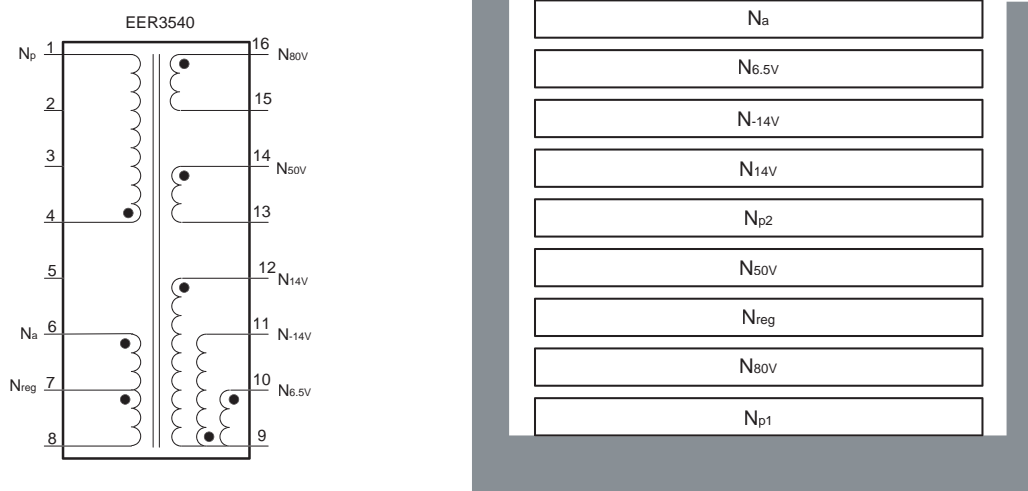
- Protection functions against over load, over voltage, over current and over temperature.
- Primary side regulation for a cost reduction.

1. Schematic Diagram



2. Transformer

2.1. Transformer Schematic Diagram



2.2. Winding Specification

| | Pin (S → F) | Wire | Turns | Winding Method |
|--|-------------|----------|-------|------------------|
| N_{p1} | 4 → 1 | 0.3Φ x 1 | 40 | Solenoid winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_{80V} | 16 → 15 | 0.3Φ x 1 | 10 | Center winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_{reg} | 7 → 8 | 0.2Φ x 1 | 3 | Solenoid winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_{50V} | 14 → 13 | 0.3Φ x 3 | 22 | Center winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_{p2} | 4 → 1 | 0.3Φ x 1 | 40 | Solenoid winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_{14V} | 12 → 9 | 0.3Φ x 2 | 6 | Solenoid winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_{-14V} | 9 → 11 | 0.3Φ x 1 | 5 | Solenoid winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| $N_{6.5V}$ | 10 → 9 | 0.3Φ x 2 | 3 | Solenoid winding |
| Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |
| N_a | 6 → 8 | 0.2Φ x 1 | 12 | Solenoid winding |
| Outer Insulation: Polyester Tape t = 0.050mm, 2 Layers | | | | |

Core: EER3540 ($A_e = 107\text{mm}^2$)

Bobbin: EER3540

2.3. Electrical Characteristics

| | Pin | Spec. | Remark |
|------------|-----|-------------------|----------------------|
| Inductance | 1–4 | 420 μH | 300kHz, 1V |
| Leakage | 1–4 | 5 μH | Short all other pins |

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