

AB-51 LCD Monitor Applications

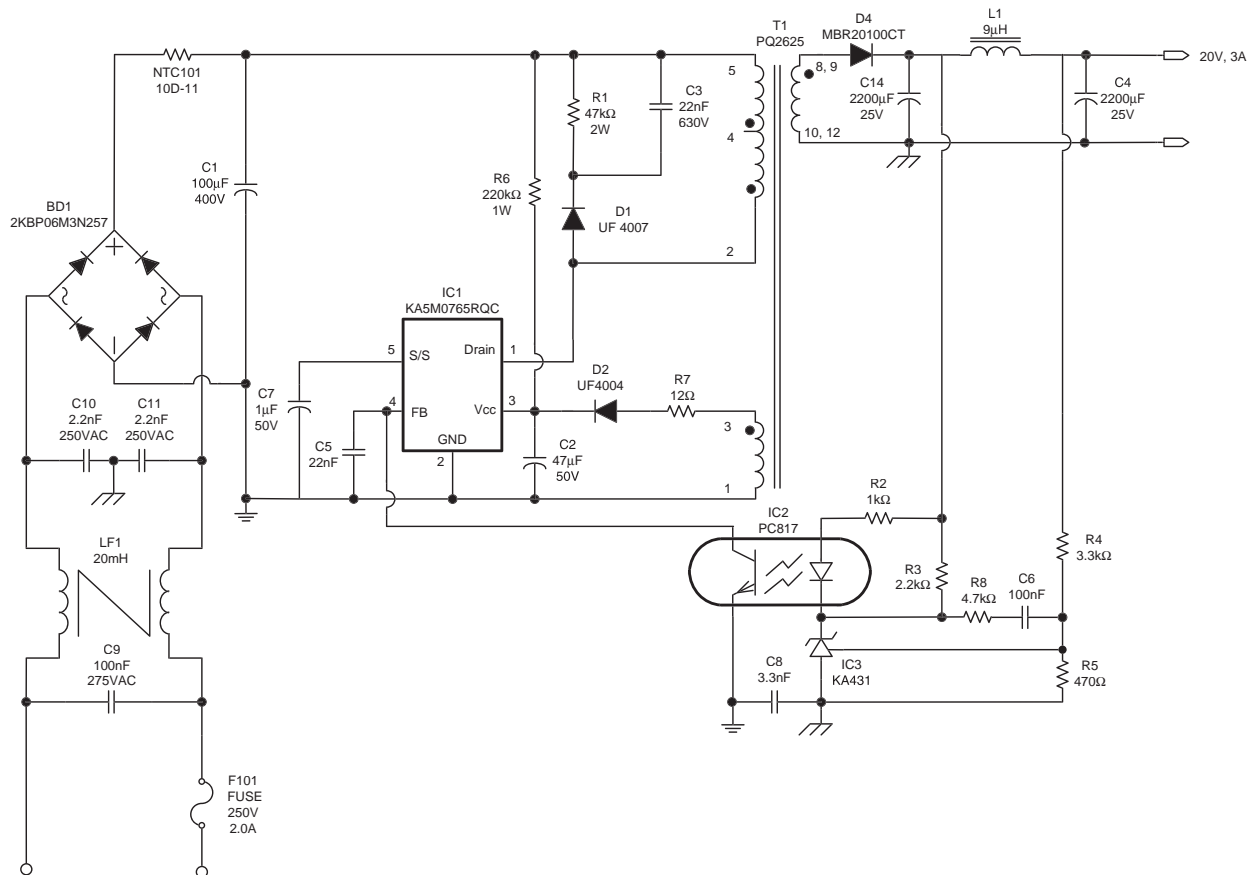
LC-60W-KA5M0765RQC – 60 Watts

Application	FPS Device	Input Voltage Range	Rated Output Power	Output Voltage (Rated Current)
LCD Monitor	KA5M0765RQC	85–265 Vac	60W	20V (3.0A)

Features

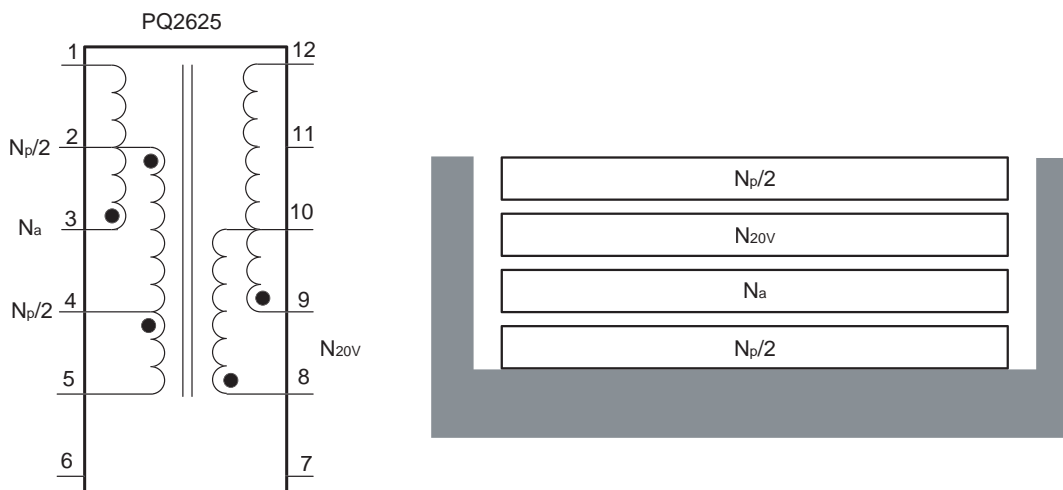
- High efficiency (>82%) with universal range input.
- Various Protection functions against over load, over voltage, over current and over temperature.

1. Schematic Diagram



2. Transformer

2.1. Transformer Schematic Diagram



2.2. Winding Specification

	Pin (S → F)	Wire	Turns	Winding Method
$N_p/2$	2 → 4	0.5Φ x 1	23	Solenoid winding
Insulation: Polyester Tape t = 0.050mm, 1 Layers				
N_a	1 → 3	0.5Φ x 1	10	Solenoid winding
Insulation: Polyester Tape t = 0.050mm, 3 Layers				
N_{20V}	8, 9 → 10, 12	0.55Φ x 2	2	Solenoid winding (Bifilar)
Insulation: Polyester Tape t = 0.050mm, 3 Layers				
$N_p/2$	4 → 5	0.5Φ x 1	23	Solenoid winding
Outer Insulation: Polyester Tape t = 0.050mm, 3 Layers				

Core: PQ2625 ($A_e = 118 \text{ mm}^2$)

Bobbin: PQ2625

2.3. Electrical Characteristics

	Pin	Spec.	Remark
Inductance	2-5	1.3 mH	1 kHz, 1V
Leakage	2-5	7 μH	Short all other pins

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