

AB-39 Color TV Applications

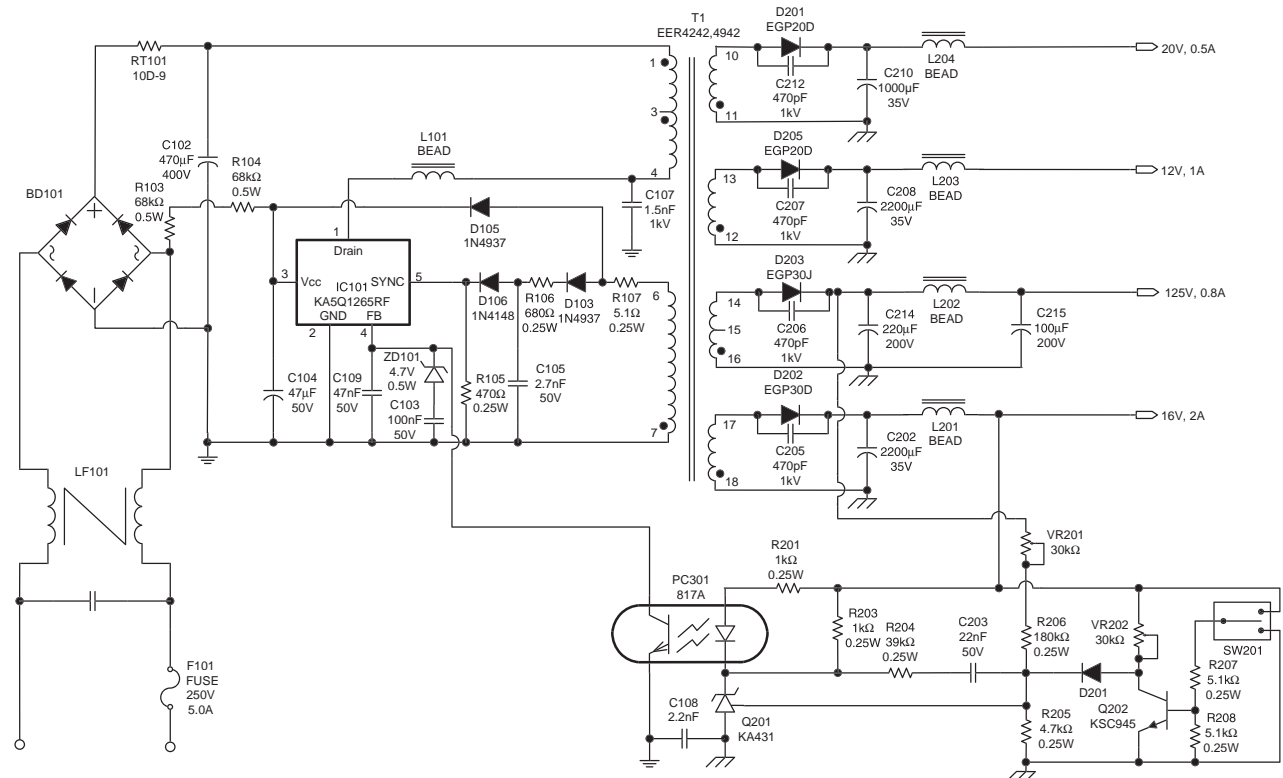
CTV-154W-KA5Q1265RF - 154 Watts

Application	FPS Device	Input Voltage Range	Rated Output Power	Output Voltage (Rated Current)
C-TV	KA5Q1265RF	85–265 Vac	154W	125V (0.6A) 20V (0.5A) 16V (2.0A) 12V (1.0A)

Features

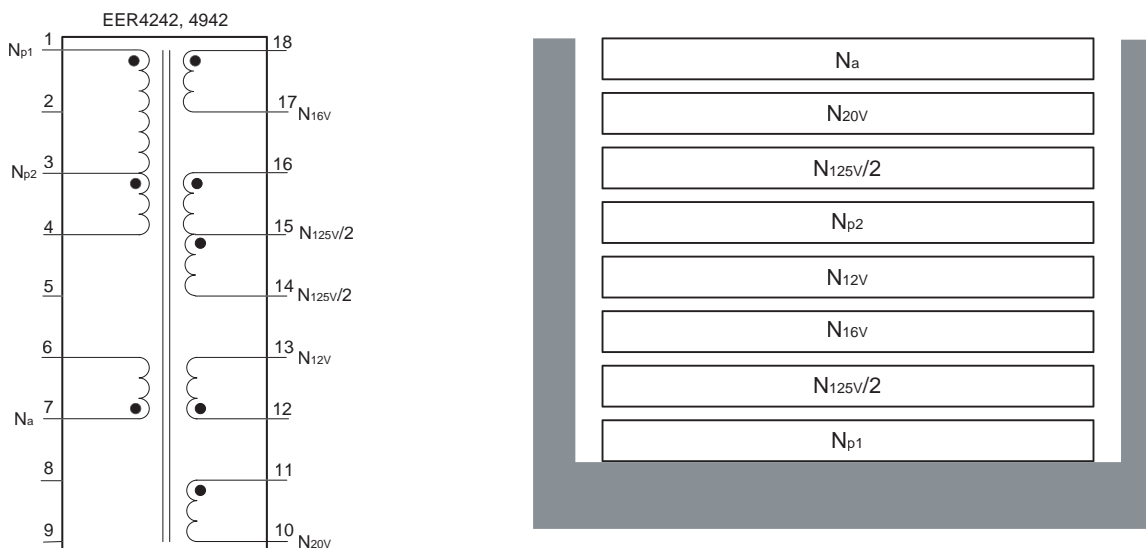
- High efficiency (>83%) and low EMI through Quasi-resonant operation.
- Various Protection functions against over load, over voltage, over current and over temperature.

1. Schematic Diagram



2. Transformer

2.1. Transformer Schematic Diagram



2.2. Winding Specification

	Pin (S → F)	Wire	Turns	Winding Method
N_{p1}	1 → 3	0.5Φ x 2	22	Solenoid winding
$N_{125V/2}$	16 → 15	0.5Φ x 2	18	Solenoid winding
N_{16V}	18 → 17	0.5Φ x 2	5	Solenoid winding
N_{12V}	12 → 13	0.4Φ x 2	4	Solenoid winding
N_{p2}	3 → 4	0.5Φ x 2	22	Solenoid winding
$N_{125V/2}$	15 → 14	0.5Φ x 2	18	Solenoid winding
N_{20V}	11 → 10	0.5Φ x 1	6	Solenoid winding
N_a	7 → 6	0.3Φ x 1	7	Solenoid winding

Core: EER4242 ($A_e = 158 \text{ mm}^2$)

Bobbin: EER4242

2.3. Electrical Characteristics

	Pin	Spec.	Remark
Inductance	1-4	385 μH	
Leakage	1-4		Short all other pins

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