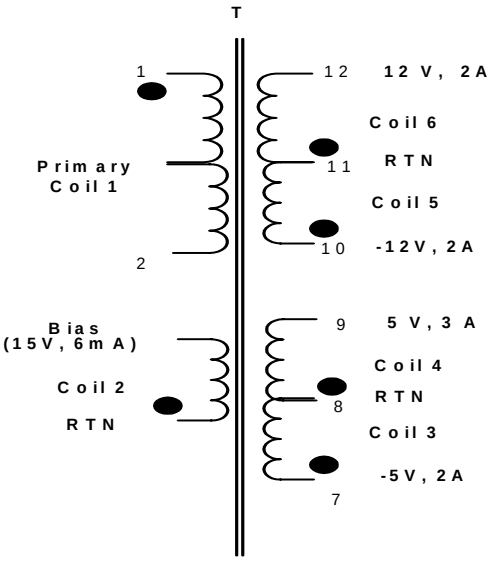
75 W Four Outputs Flyback Power Transformer JL2001

Table 1: Electrical Specifications at 25 °C.

PARAMETER	SPECIFICATION LIMITS			UNITS
	MIN	TYP	MAX.	
Coil 1 Inductance (1—2) 0.25 Vrms @ 100 KHz	270	300	330	uH
Coil 1 Leakage Inductance 0.25Vrms @ 100 KHz	---------	---------	20	μH
Design Parameters: Switching Frequency	-------	130	---------	KHz
Turns Ratio's:				
Bias(5-6): Primary (1-2)	---------	1: 6.4	---------	±4%
Coil 3 (7-8) : Primary (1-2)	---------	1 : 8.0	---------	±4%
Coil 4 (5-6) : Primary (1-2)	---------	1 : 8.0	---------	±4%
Coil 5 (7-8) : Primary (1-2)	---------	1: 16	---------	±4%
Coil6 (9-10) : Primary (1-2)	---------	1: 16	---------	±4%
Design Parameters:				
Maximum Duty Cycle	---------	----------	50	%
SEC #1 Output Voltage/Current	---------	-5 V	2 A	see left
SEC #2 Output Voltage/Current	---------	5 V	3 A	see left
SEC #3 Output Voltage/Current	---------	-12 V	2 A	see left
SEC #4 Output Voltage/Current	---------	12 V	2 A	see left

Figure 1: Schematic Diagram



Note:

1. All materials meet UL94V-0 and are non-flammable.
2. All materials rated 130°C.
3. Dimensions in inch, .XX±0.03.
4. All hipot voltage are AC VOLTS RMS specified below at 60 Hz for one minute. The leakage current doesn't exceed 250 μA rms.
   1500V mini from (1&2) with respect to (3&4), (5&6), (7&8), (9&10).
   1500V mini from (1&2) (3&4), (5&6), (7&8), (9&10) with respect to core.
   500V mini between (3&4), (5&6), (7&8)and (9,10).

Figure 2: Physical Dimensions in inch

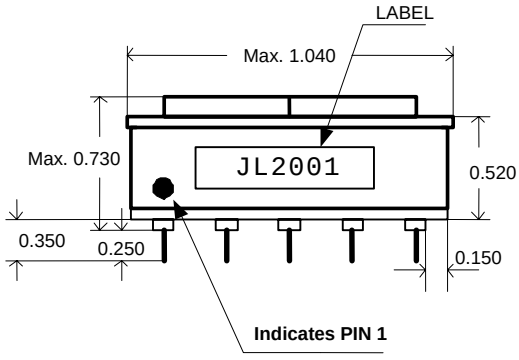


Figure 3: Transformer foot print.