





























### Typical Application Circuit (Netbook Adapter by Flyback)

Application	Fairchild Devices	Input Voltage Range	Output
Netbook Adapter	FAN6602R	90~265 V <sub>AC</sub>	19 V / 2.1 A (40 W)

#### Features

- High efficiency (>85.3% at full-load condition) meeting EPS regulation with enough margin
- Low standby (pin<0.1 W at no-load condition)
- Soft-start time: 5 ms

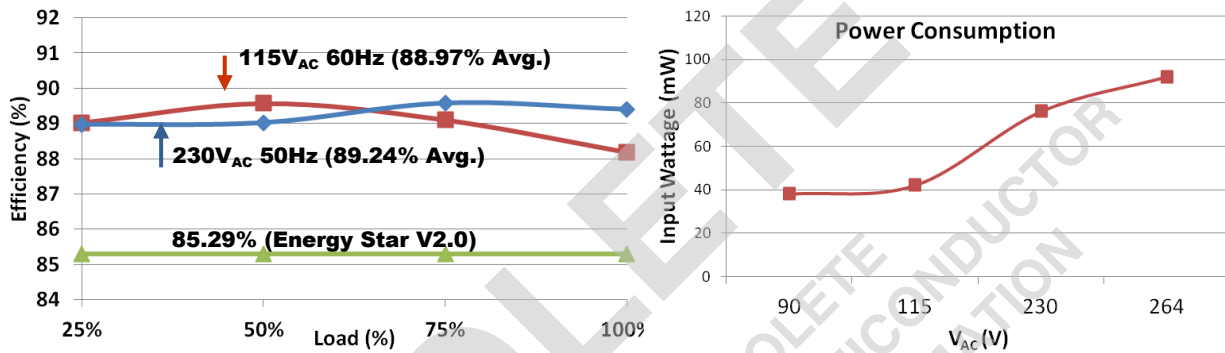


Figure 30. Measured Efficiency and Power Saving

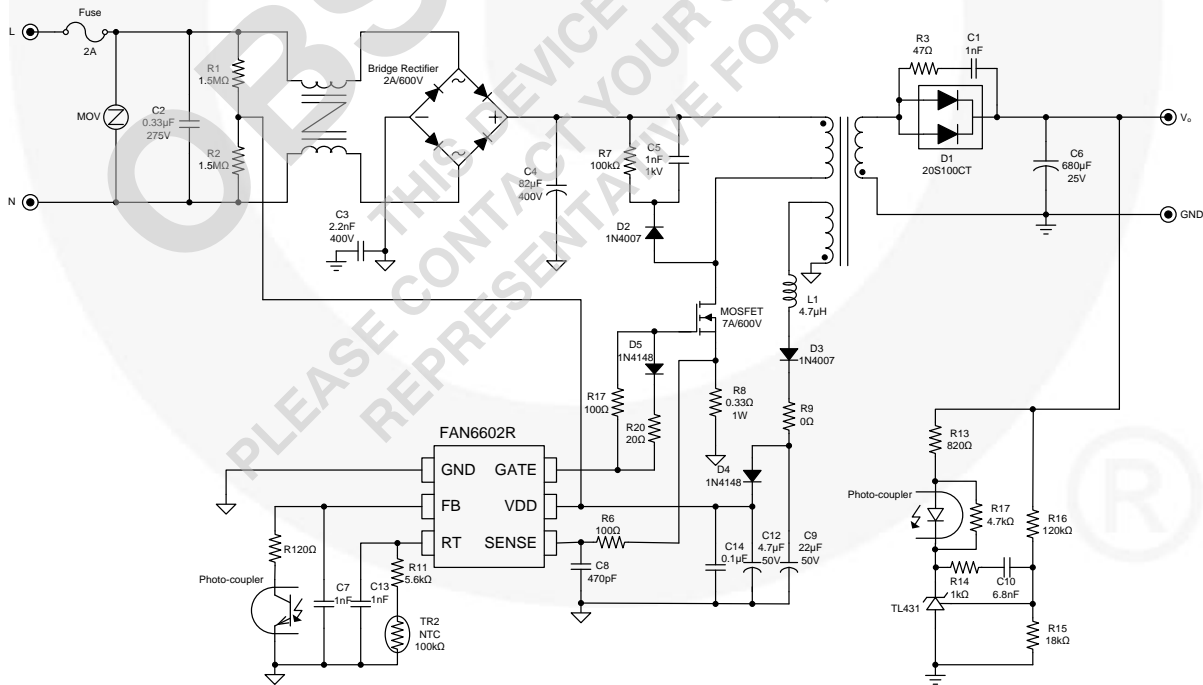


Figure 24. Schematic of Typical Application Circuit

### Transformer Specification

- Core: RM 8
- Bobbin: RM 8

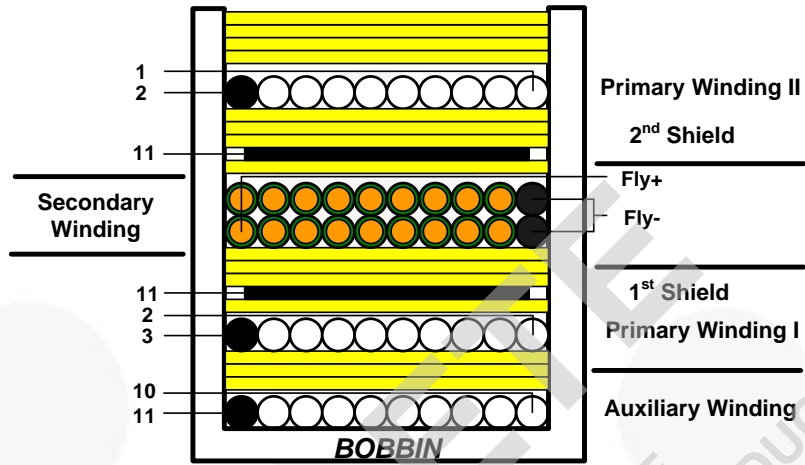


Figure 25. Transformer

NO	Terminal		Wire	Ts	Insulation
	S	F			Ts
N1	11	10	0.25 • 1	9	3
N2	3	2	0.25 • 1	33	1
	11		COPPER SHIELD	1.2	3.0
N3	Fly-	Fly+	0.5 • 2	12	1
	11		COPPER SHIELD	1.2	3.0
N4	2	1	0.25 • 1	33	4
			CORE ROUNDING TAPE		3

	Pin	Specification	Remark
Primary-Side Inductance	3–1	920 $\mu$ H $\pm$ 5%	100 kHz, 1 V
Primary-Side Effective Leakage	3–1	15 $\mu$ H Maximum	Short One of the Secondary Windings







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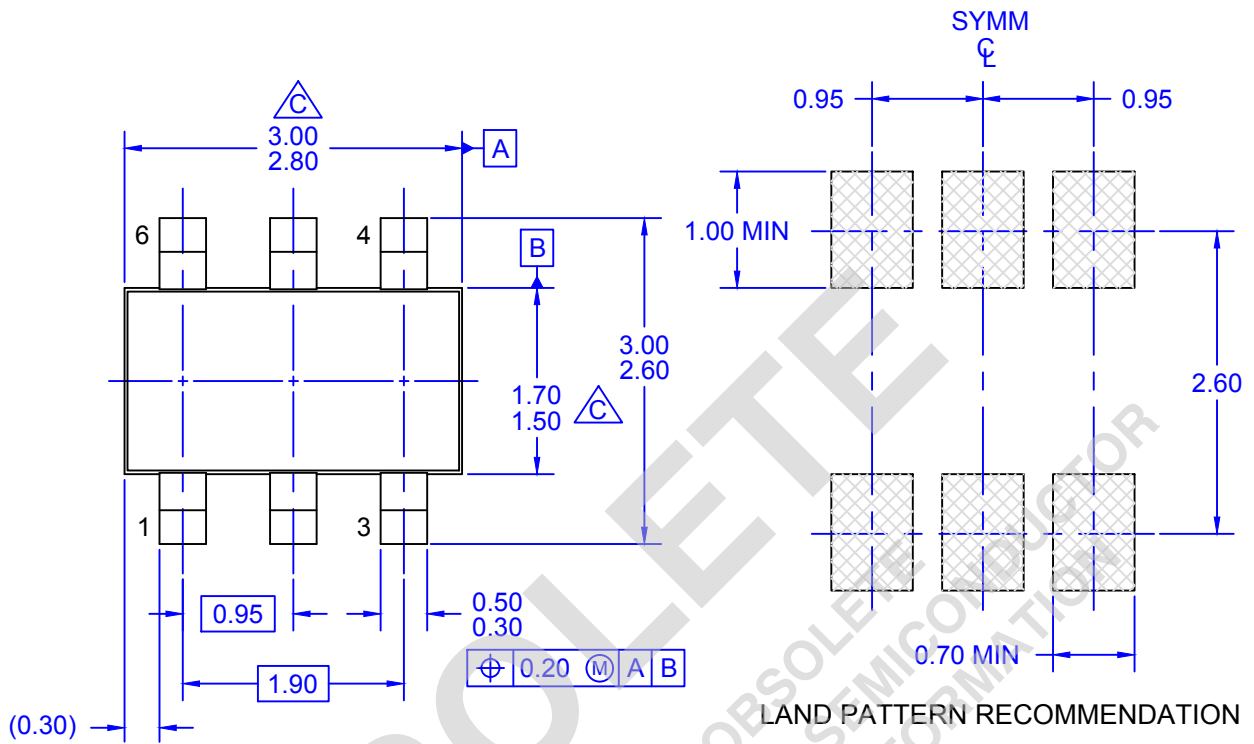
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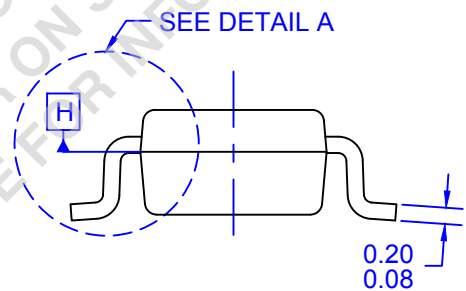
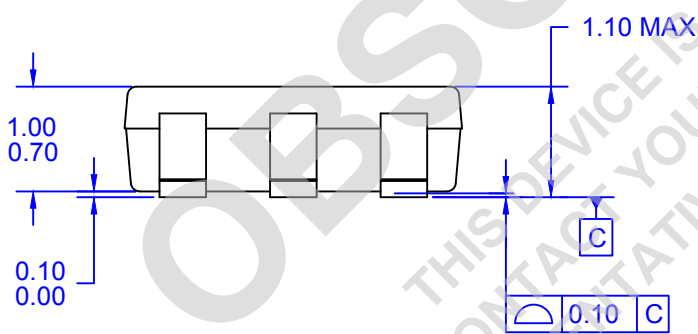
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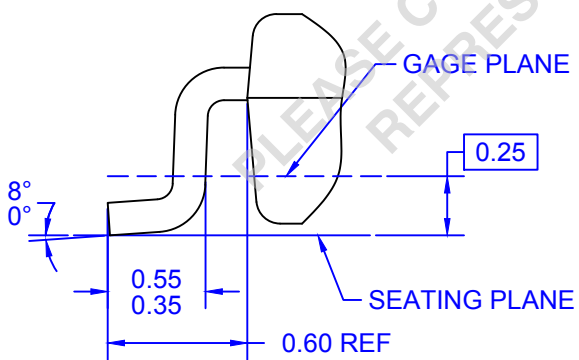


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