



# Flyback Transformers

For ON Semiconductor  
NCP1200 Controller

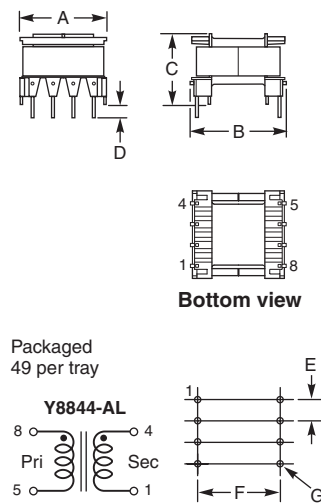
These transformers have been specially developed for use in flyback power supplies with the ON Semiconductor NCP1200 PWM Current-Mode Controller. They are designed for universal input, 85 – 265 Vac.

Coilcraft can also custom engineer a transformer to meet your specific requirements. For free evaluation samples, contact Coilcraft or visit [www.coilcraft.com](http://www.coilcraft.com).

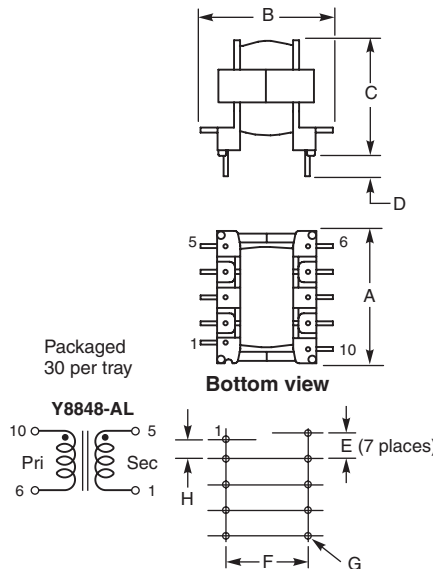
| Application                    | Part number | Inductance <sup>1</sup><br>±10% (mH) | DCR<br>max (Ohms)  | Leakage<br>inductance <sup>2</sup><br>max (µH) | Isolation <sup>3</sup><br>(Vrms) | Turns ratio         |           | Output                                | Weight<br>(g) |
|--------------------------------|-------------|--------------------------------------|--|--|----------------------------------|---------------------|-----------|---------------------------------------|---------------|
|                                |             |                                      |  |  |                                  | pri : sec           | pri : aux |                                       |               |
| 3.5 W                          | Y8844-AL    | 2.9                                  | 4.25 (8-5)<br>0.07 (4-1)                                   | 80   | 1500                             | 1:0.08              | —         | 6.5 V, 0.54 A                         | 6.7           |
| 10 W                           | Y8848-AL    | 1.8                                  | 1.77 (10-6)<br>0.038 (5-1)                                 | 60   | 2000                             | 1:0.1               | —         | 12 V, 0.83 A                          | 16            |
| 70 W                           | Z9007-BL    | 0.7                                  | 0.261 (12-7)<br>0.013 (6-1)<br>0.013 (4-3)                 | 16   | 1500                             | 1:0.16 <sup>4</sup> | —         | 16 V, 4.2 A                           | 52            |
| 70 W<br>with Auxiliary winding | Z9260-AL    | 0.7                                  | 0.261 (12-7)<br>0.013 (6-1)<br>0.013 (4-3)<br>0.045 (11-8) | 26   | 2000                             | 1:0.16 <sup>4</sup> | 1:0.15    | 16 V, 4.2 A(sec)<br>15 V, 0.2 A (aux) | 54            |

1. Inductance is for the primary, measured at 10 kHz, 0.1 Vrms, 0 Adc
2. Leakage inductance tested at 100 kHz, 0.1 Vrms
3. Isolation tested between primary and secondary on all parts and between primary and auxiliary on Z9260-AL.
4. Primary to secondary turns ratio specified with secondary windings connected in parallel.
5. Operating temperature range -40°C to +85°C.
6. Electrical specifications at 25°C.

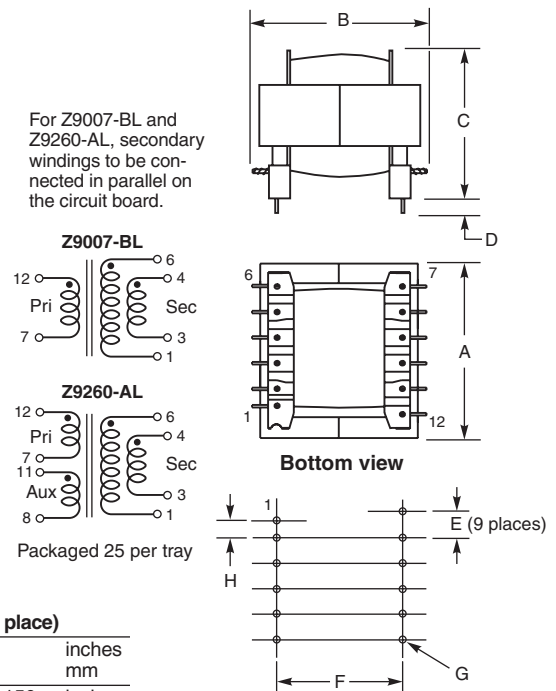
## Y8844-AL



## Y8848-AL



## Z9007-BL, Z9260-AL



|                  | Amax         | Bmax         | Cmax         | Dmin         | E             | F              | Gdia          | H (1 place)   |              |
|------------------|--------------|--------------|--------------|--------------|---------------|----------------|---------------|---------------|--------------|
| Y8844-A          | 0.72<br>18,3 | 0.79<br>20,1 | 0.55<br>14,0 | 0.118<br>3,0 | 0.150<br>3,81 | 0.600<br>15,24 | 0.030<br>0,76 |               | inches<br>mm |
| Y8848-A          | 1.10<br>27,9 | 1.10<br>27,9 | 0.95<br>24,1 | 0.12<br>3,05 | 0.200<br>5,08 | 0.620<br>15,75 | 0.044<br>1,12 | 0.150<br>3,81 | inches<br>mm |
| Z9007-B, Z9260-A | 1.45<br>36,8 | 1.45<br>36,8 | 1.17<br>29,7 | 0.12<br>3,05 | 0.200<br>5,08 | 0.875<br>22,2  | 0.044<br>1,12 | 0.150<br>3,81 | inches<br>mm |

Terminations: Tin-silver over tin over copper



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