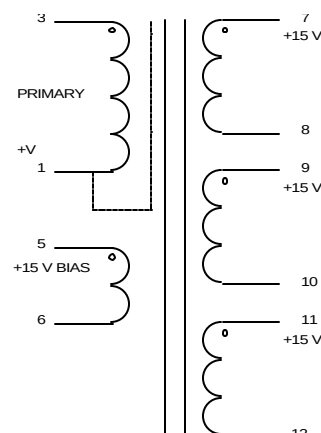


## 80 Watt Flyback Transformer



- Power Integrations TOPSwitch-GX Family Transformer
- Designed for TOP245-247 Chip Sets\*
- Universal Input 85-265 Volts
- Low Leakage Inductance
- Designed to meet IEC950
- Cost Effective Design
- 15v, 15v, & 15v Secondaries
- Custom modifications available (contact DTM engineering)



| Electrical Characteristics |                         |     |     |      |       |                                          |
|----------------------------|-------------------------|-----|-----|------|-------|------------------------------------------|
|                            | Parameter               | Min | Typ | Max  | Units | Conditions                               |
| L <sub>p</sub>             | Primary Inductance      | 128 | 141 | 154  | uH    | 1-3 1v @ 132khz                          |
| L <sub>lk</sub>            | Leakage Inductance      |     |     | 4    | uH    | 1-3 1v @ 132khz (short 3,4,5,6,7,8,9,10) |
| SRF                        | Self Resonant Frequency | 1.3 |     |      | MHZ   | 1-3                                      |
| R <sub>p</sub>             | DC Resistance Primary   |     |     | .110 | Ohms  | 1-3 @ 25 degC                            |
| R <sub>b</sub>             | DC Resistance Bias      |     |     | .040 | Ohms  | 5-6                                      |
| R <sub>s</sub>             | DC Resistance Secondary |     |     | .011 | Ohms  | 7-8                                      |
| R <sub>s</sub>             | DC Resistance Secondary |     |     | .011 | Ohms  | 9-10                                     |
| R <sub>s</sub>             | DC Resistance Secondary |     |     | .011 | Ohms  | 11-12                                    |

| Performance Specifications |                          |     |             |     |       |                                |
|----------------------------|--------------------------|-----|-------------|-----|-------|--------------------------------|
|                            | Parameter                | Min | Typ         | Max | Units | Conditions                     |
| P <sub>o</sub>             | Recommended Output Power | 20  |             | 80  | Watts | Total Output                   |
| V <sub>o</sub>             | Output Voltage           | 12v | 15v,15v,15v | 48v | Volts | Parallel / Individual / Series |

| Absolute Maximum Ratings |                   |      |       |       |               |
|--------------------------|-------------------|------|-------|-------|---------------|
|                          | Parameter         | Min  | Max   | Units | Conditions    |
| T <sub>op</sub>          | Temperature Range | - 40 | + 130 | degC  |               |
| Tr                       | Temperature Rise  |      | 50    | degC  | @ Rated Power |
| DWV                      | Isolation Voltage | 3000 |       | Vrms  | Pri,bias-sec  |
| DWV                      | Isolation Voltage | 1500 |       |       | Pri-bias      |
| DWV                      | Isolation Voltage | 500  |       |       | Sec-Sec       |

Specifications subject to change without notice.  
Turns Ratio available on request.

\* 80 Watt design uses Top 247

[www.dtmagnetics.com](http://www.dtmagnetics.com)      [sales@dtmagnetics.com](mailto:sales@dtmagnetics.com)      [engineering@dtmagnetics.com](mailto:engineering@dtmagnetics.com)

DT Magnetics International, Inc.

140 Crosby Road

Dover, NH 03820

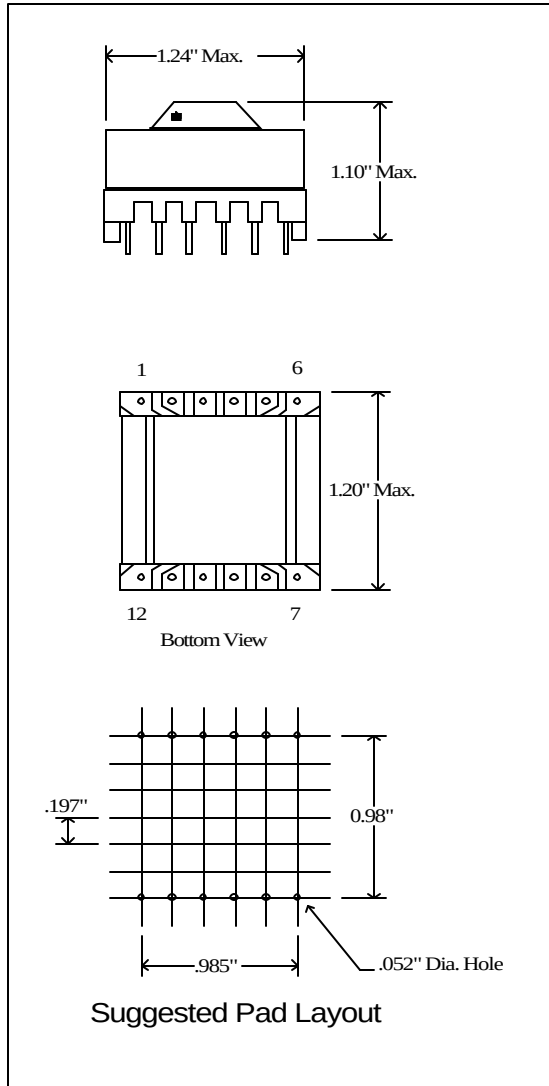
Phone (603) 742-4375

Fax (603) 742-9165

Local Sales Rep Label

Date code 0229

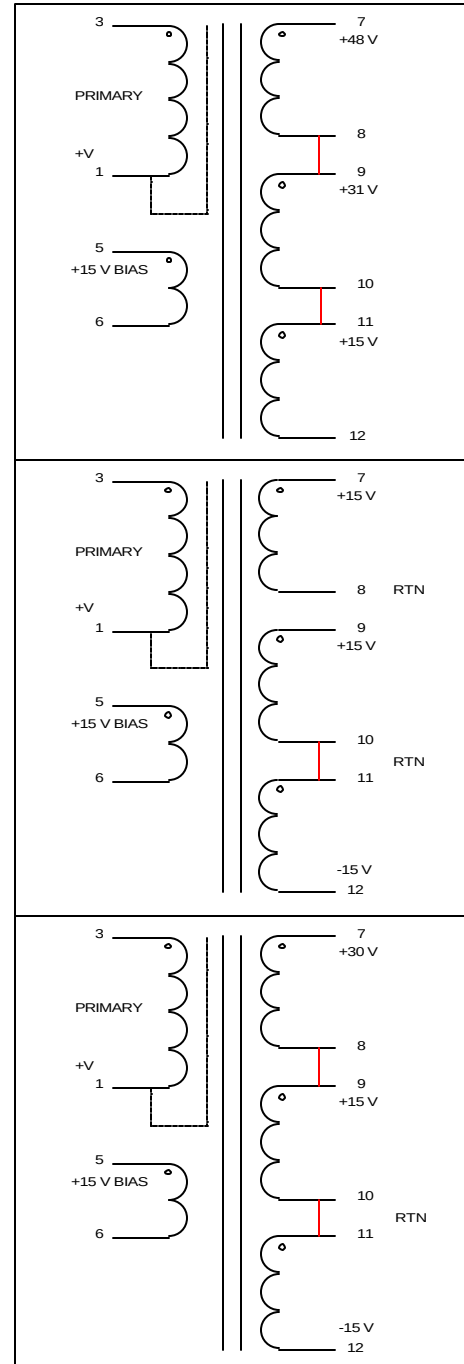
## Package Specifications



Measurements are in inches  
Specifications subject to change without notice

**Output Voltage can be varied up to 20% by  
adjusting the feedback voltage divider.**

## Typical Voltage Combinations



[www.dtmagnetics.com](http://www.dtmagnetics.com)

[sales@dtmagnetics.com](mailto:sales@dtmagnetics.com)

[engineering@dtmagnetics.com](mailto:engineering@dtmagnetics.com)

DT Magnetics International, Inc.

140 Crosby Road

Dover, NH 03820

Phone (603) 742-4375

Fax (603) 742-9165

Local Sales Rep Label

Date code 0229