

- Used in SMPS Flyback Topology
- Designed for use with Power Integration Chip
- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

### Electrical Parameters @ 25° C

| PCA Part Number | Chipset   | Voltage (Vdc) |         |         |         |         | Primary OCL ( $\mu\text{H} \pm 10\%$ ) | Current (Amp.) |        |        |        |
|-----------------|-----------|---------------|---------|---------|---------|---------|----------------------------------------|----------------|--------|--------|--------|
|                 |           | V in          | V out 1 | V out 2 | V out 3 | V out 4 |                                        | Sec. 1         | Sec. 2 | Sec. 3 | Sec. 4 |
| EPC3130-1       | TOP249Y   | 120-375       | 19      | 19      | 15      | N       | 273                                    | 1.8            | 1.8    | .05    | N      |
| EPC3130-2       | TOP234Y   | 120-375       | 12      | 12      | 15      | N       | 490                                    | 1.9            | 1.9    | .05    | N      |
| EPC3130-3       | TOP247Y   | 120-375       | 35      | 35      | 15      | N       | 342                                    | 1.0            | 1.0    | .05    | N      |
| EPC3130-4       | TOP247Y   | 120-375       | 24      | 12      | 15      | 24      | 466                                    | 2.0            | 0.1    | .05    | .025   |
| EPC3130-5       | TOP244Y   | 120-375       | 24      | 5       | 15      | N       | 466                                    | 1.0            | 0.8    | .05    | N      |
| EPC3130-6       | Viper 100 | 120-395       | 24      | 24      | 13      | N       | 256                                    | 1.8            | 1.8    | .05    | N      |

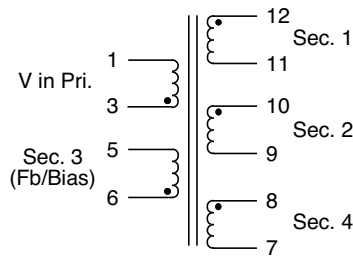
• Switching Frequency : 132 KHz • Isolation : 4500 Vrms •

### Dielectric Rating (Vrms)

|                               |                             |                         |
|-------------------------------|-----------------------------|-------------------------|
| 1 sec. 4500 or 60 sec. 3750   | 1 sec. 4500 or 60 sec. 3750 | 1 sec. 1500             |
| Pri. to all Sec. Wdg's & Core | Between Wdg's to Core       | Between Pri. Wdg & Bias |

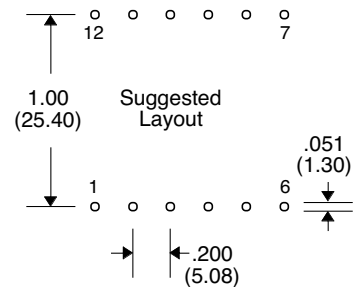
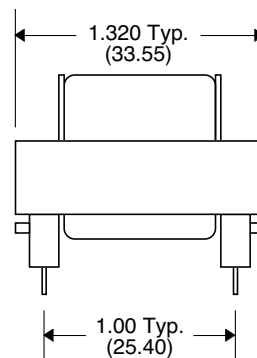
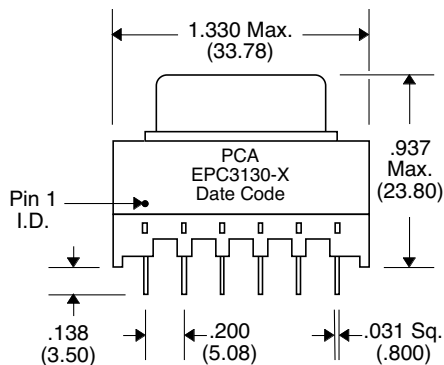
• Note : "N" equals Not Required/No Connection •

### Schematic



Shield is optional

### Package



Unless Otherwise Specified Dimensions are in Inches /mm  $\pm .010 / .25$