

## EPC3133-X



- 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

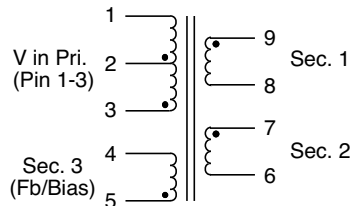
| PCA Part Number | Chipset           | Voltage (Vdc) |         |         |         |         | Primary OCL ( $\mu\text{H} \pm 10\%$ ) | Current (Amp.) |        |        |        | Schematic |
|-----------------|-------------------|---------------|---------|---------|---------|---------|----------------------------------------|----------------|--------|--------|--------|-----------|
|                 |                   | V in Pin 1-3  | V out 1 | V out 2 | V out 3 | V out 4 |                                        | Sec. 1         | Sec. 2 | Sec. 3 | Sec. 4 |           |
| EPC3133-1       | TNY253 (44 KHz)   | 120-375       | 7.5     | N       | N       | ---     | 5100                                   | .173           | N      | N      | ---    | A         |
| EPC3133-2       | TOP242P (132 KHz) | 120-375       | 3.3     | 6.2     | 15      | 30      | 2100                                   | 1.5            | 0.4    | .05    | .005   | B         |
| EPC3133-3       | TNY254 (44KHz)    | 120-375       | 12      | N       | 15      | ---     | 3670                                   | .25            | N      | .05    | ---    | A         |
| EPC3133-4       | TNY266P (132 KHz) | 120-375       | 5       | N       | N       | ---     | 1660                                   | 1.0            | N      | N      | ---    | A         |
| EPC3133-5       | TNY267            | 120-375       | 3.3     | N       | 15      | ---     | 2800                                   | 2.0            | N      | .05    | ---    | A         |
| EPC3133-6       | TNY268 (132 KHz)  | 120-375       | 24      | 24      | 13      | ---     | 1800                                   | 0.17           | 0.17   | .05    | ---    | A         |

• Switching Frequency : 132 KHz/44 KHz • Isolation : 3750 Vrms •

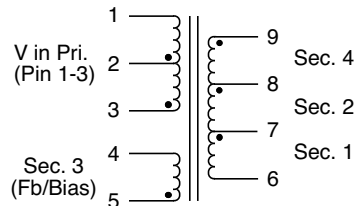
| Dielectric Rating (Vdc)     |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| 1 sec. 4500 or 60 sec. 3750 | 1 sec. 4500 or 60 sec. 3750 | 1 sec. 1500 or 60 sec. 1000 |
| Pri. to all Sec. Wdg's      | Between Sec. Wdg's to Core  | Between Pri. Wdg & Bias     |

• Note : "N" means Not Required/No Connections •

### Schematic A

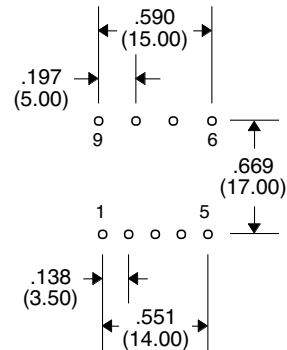
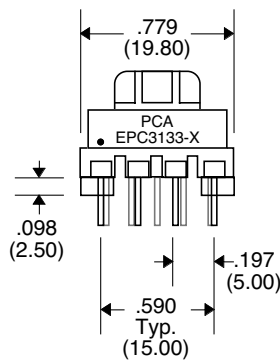
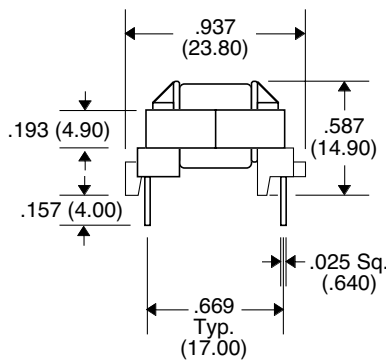


### Schematic B



Shield is optional  
Pin #2 is not connected in circuit

### Package



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