

Input Voltage (VRMS) ( $\pm 10\%$ ) ..... See Table  
 Frequency Range (KHz) ..... See Table  
 Output Power ..... 75VA  
 Regulation\*\* ..... 3.0 %  
 Efficiency\*\* ..... 93%  
 Temperature Class ..... 130°C  
 Ambient Temperature Range ..... -40°C to +85°C  
 Temperature Rise\*\* ..... 5°C

Primary Inductance (mH) Typical: ..... See Table  
 Coupling Capacitance (pF) Maximum ..... See Table  
 Leakage Inductance\*\* (mH) Nominal ..... See Table  
 Dielectric Strength Tested: ..... 4.5KVrms @60Hz.  
 Primary and Shield to all Secondaries  
 Partial Discharge (Corona) Tested: ..... 3KVrms @60Hz.  
 Primary and Shield to all Secondaries  
 BIL Rating: ..... 14KV  
 \*\*Approximate values (Contact us for defined limits)

| Configuration Number | Schematic | Primary      |                      |                     | Secondary           |              |
|----------------------|-----------|--------------|----------------------|---------------------|---------------------|--------------|
|                      |           | Input (Vrms) | Inductance (mH—Typ.) | Frequency Range KHz | Output (Vrms) @Arms |              |
|                      |           |              |                      |                     | Secondary 1         | Secondary 2  |
| FF3000-36-18-18      | 1A/1B     | 36           | 1.54                 | 10-50               | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-36-18-0       | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-36-18-0       | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-48-18-18      | 1A/1B     | 48           | 2.93                 |                     | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-48-18-0       | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-48-18-0       | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-100-18-18     | 1A/1B     | 100          | 12.96                |                     | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-100-18-0      | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-100-18-0      | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-36-18-18      | 1A/1B     | 36           | 1.13                 | 50-100              | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-36-18-0       | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-36-18-0       | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-48-18-18      | 1A/1B     | 48           | 2.18                 |                     | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-48-18-0       | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-48-18-0       | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-100-18-18     | 1A/1B     | 100          | 5.57                 |                     | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-100-18-0      | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-100-18-0      | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-36-18-18      | 1A/1B     | 36           | 0.70                 | 100-250             | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-36-18-0       | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-36-18-0       | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-48-18-18      | 1A/1B     | 48           | 1.00                 |                     | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-48-18-0       | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-48-18-0       | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-100-18-18     | 1A/1B     | 100          | 1.20                 |                     | 18.0 @ 2.083        | 18.0 @ 2.083 |
| FF3000-100-18-0      | 2A/2B     |              |                      |                     | 18.0 @ 4.167        |              |
| FF3000-100-18-0      | 3A/3B     |              |                      |                     | 18.0 @ 4.167        |              |

**FF3000 Parasitic Values**

| Frequency<br>KHz | Voltage<br>RMS | Leakage<br>Inductance<br>$\mu\text{H}$ (Typ.) | Capacitance<br>$\text{pF}$ (Typ.) |
|------------------|----------------|---|-----------------------------------|
| 10 - 50          | 36             | 50  | 30                                |
|                  | 48             | 55  | 50                                |
|                  | 100            | 65  | 60                                |
| 50 - 100         | 36             | 40  | 25                                |
|                  | 48             | 50  | 30                                |
|                  | 100            | 65  | 60                                |
| 100 - 250        | 36             | 35  | 20                                |
|                  | 48             | 45  | 25                                |
|                  | 100            | 65  | 60                                |

