

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 |
| IS3000-36-18-18 | 1A/1B | 36 | 2.40 | 10-50 | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-36-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-36-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-48-18-18 | 1A/1B | 48 | 3.57 | | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-48-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-48-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-100-18-18 | 1A/1B | 100 | 12.96 | | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-100-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-100-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-36-18-18 | 1A/1B | 36 | 1.13 | 50-100 | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-36-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-36-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-48-18-18 | 1A/1B | 48 | 2.18 | | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-48-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-48-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-100-18-18 | 1A/1B | 100 | 5.57 | | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-100-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-100-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-36-18-18 | 1A/1B | 36 | 0.70 | 100-250 | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-36-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-36-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-48-18-18 | 1A/1B | 48 | 1.00 | | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-48-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-48-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |
| IS3000-100-18-18 | 1A/1B | 100 | 1.20 | | 18.0 @ 2.083 | 18.0 @ 2.083 |
| IS3000-100-18-0 | 2A/2B | | | | 18.0 @ 4.167 | |
| IS3000-100-18-0 | 3A/3B | | | | 18.0 @ 4.167 | |

IS3000 Parasitic Values

| Frequency KHz | Voltage RMS | Leakage Inductance μ H (Typ.) | Capacitance pF (Typ.) |
|------------------|----------------|---|--------------------------|
| 10 - 50 | 36 | 15 | 30 |
| | 48 | 20 | 35 |
| | 100 | 25 | 50 |
| 50 - 100 | 36 | 15 | 25 |
| | 48 | 20 | 30 |
| | 100 | 25 | 45 |
| 100 - 250 | 36 | 15 | 15 |
| | 48 | 20 | 20 |
| | 100 | 25 | 30 |

