Spark Industries leads the way in applications for low power, high voltage spark ignition transformers. Each transformer is made to exact customer specifications with multiple case designs and quick connect terminals to choose from. Our transformers are vacuum encapsulated in a heat resistant molded nylon case with high dielectric epoxy resin assuring excellent insulation properties as well as maintaining close lead location tolerances.

**LEADS**
#18 AWG tinned base leads to within .06” of bottom rim of transformer. Various types of high voltage terminals available.

**BODY CASE**
The shell housing is made of molded blue nylon.

**POLARITY**
Internal connections of windings are such that the first high-voltage output pulse will be negative when a charge capacitor with a positive terminal connected to P1 is discharged into the primary.

**SECONDARY OPEN CIRCUIT OUTPUT VOLTAGE**
2.2 MFD capacitor charged to 150V is discharged for a minimum time of 1 second at 60Hz rate into primary through a SCR. With the capacitor charged to 110V, the first half cycle of output voltage shall have an amplitude of not less than 16KV.

**ELECTRICAL PARAMETERS**
- Primary resistance: 11 milliohms +/- 10%
- Primary inductance: 3 microHenries +/- 10%
- Secondary resistance: 550 Ohms +/- 10%
- Secondary inductance: 140 milliHenries +/- 10%