



## WEAPONX IGNITION MODULE / IGNITOR SPECIFICATIONS

### **OPERATIONAL FEATURES**

- 1-1 High Amperage 12.5amps / High Voltage Capability 40kV
- 1-2 Clear Anodized Heat sink\* optional (thermal paste included)
- 1-3 Fan Cooled\* optional (waterproofed)
- 1-4 Stainless hardware
- 1-5 Thermal Overload Protection

### **OPERATIONAL CONDITIONS**

- |                                  |   |
|----------------------------------|---|
| 2-1 Operation Temperature        | -40 to 125 degrees Celsius                  |
| 2-2 Operation Voltage            | 8-24 volts DC                               |
| 2-3 Input Signal                 | 2.5 – 12 volts DC, square wave ** see notes |
| 2-4 Ignition Trigger             | Falling Edge                                |
| 2-5 Ignition Coil Resistance     | .8 – 10 ohms primary                        |
| 2-6 Maximum Steady State Current | 12.5 amps (with proper cooling)             |
| 2-7 Maximum Burst Current        | 30 amps                                     |
| 2-8 Switching Time               | 15uS  |

### **PROTECTION**

- 3-1 Thermal Cutback and Shutdown
- 3-2 Reverse Polarity Protection
- 3-3 High Voltage, RFI and EMI Protec 350 volt clamp

\*\* 5 volt, 20mA square wave optimal