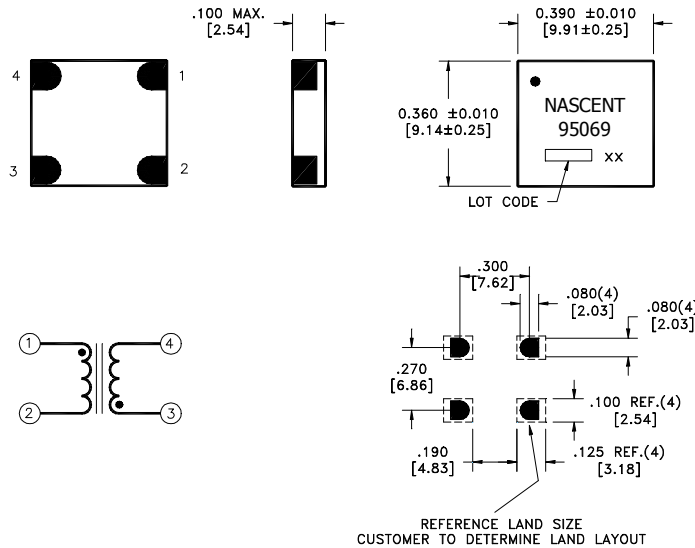
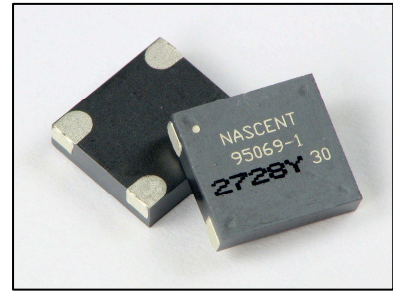


# LTCC

## High Voltage Flyback Transformer

### 95069, 95069-1, 95069-1STX



#### Features

- Low profile
- Rugged package
- Self shielding
- Pick and place
- Customization available

#### Variants

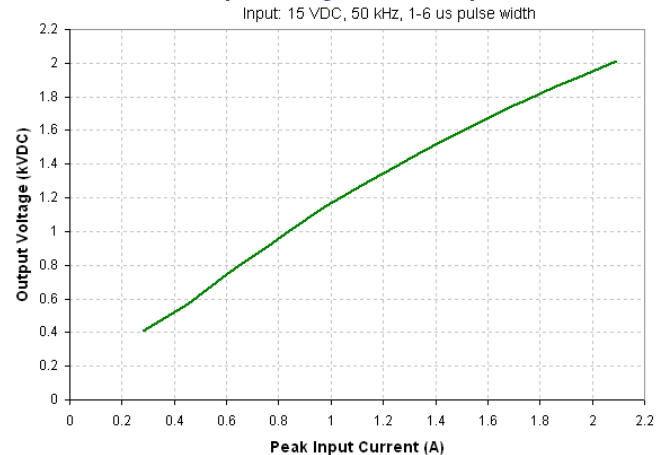
- 1's are more robust
- STX's are pre-stressed

NASCENTechnology, Inc. has developed a transformer for high voltage flyback applications using low temperature co-fired ceramic (LTCC) ferrite. Using a standard flyback circuit, 1500 VDC output is possible from a 15 VDC input. The monolithic structure affords improved mechanical strength over traditional transformer technology.

#### Electrical Parameters

Primary Inductance	100 kHz 500 mV	75.0 uH +/- 20%
Pulse Inductance	15 VDC 1.5A, ~4.5 us	35.0 uH min
Leakage Inductance	100 kHz 500 mV	21 uH typ.
Secondary Inductance	100 kHz 500 mV	3.3 mH +/- 20 %
Primary Resistance		1.27 ohms +/- 20%
Secondary Resistance		26.1 ohms +/- 20%
Dielectric Rating	60 Hz, 1 s	1500V
Turns ratio		1:8.5
V-us Rating		90

#### Output Voltage vs. Peak Input Current



For additional information, contact: Brian Nelson, National Sales Manager  
 Phone: 605-878-2417, Fax: 605-884-2450, E-Mail: [bnelson@nascenttechnology.com](mailto:bnelson@nascenttechnology.com)  
 NASCENTechnology, Inc. 121 Airport Drive, Watertown, SD 57201  
[www.nascenttechnology.com](http://www.nascenttechnology.com)