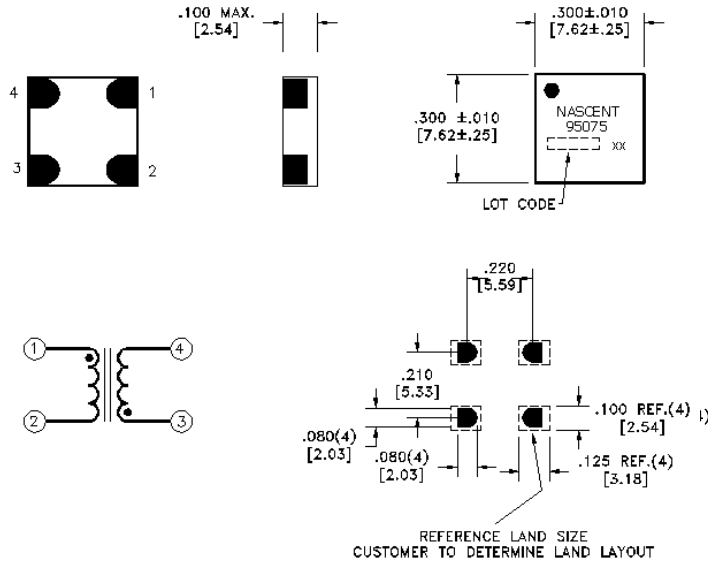
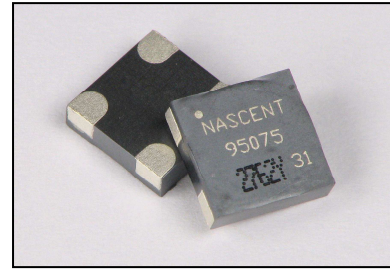


# LTCC High Voltage Flyback Transformer 95075, 95075-STX



## Features

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

## Variants

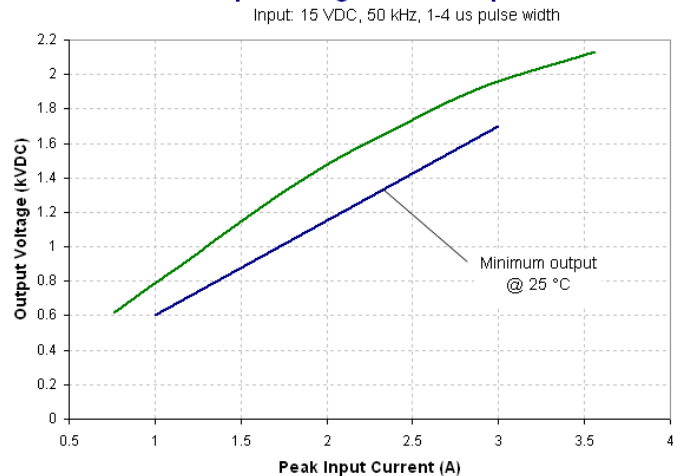
- STX's are pre-stressed
- A0 for AgPt terminals
- A1 for AgPd terminals

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 easily achieved from a 15 VDC input. The monolithic structure provides superior mechanical strength and lower profile over traditional transformer technology.

## Electrical Parameters

Primary Inductance	100 kHz 500 mV	28.0 $\mu$ H +/- 30%
Pulse Inductance	15 VDC 2.0A pk	21.0 $\mu$ H typ.
Leakage Inductance	100 kHz 500 mV	9 $\mu$ H typ.
Secondary Inductance	100 kHz 500 mV	1.60 mH +/- 30 %
Primary Resistance		1.30 $\Omega$ +/- 20%
Secondary Resistance		25.3 $\Omega$ +/- 20%
Dielectric Rating	60 Hz, 1s	1500 V
Turns ratio		1:8
V- $\mu$ s Rating		60

## Output Voltage vs. Peak Input Current



For additional information, contact: Daryl Schofield, General Manager  
Phone : 605-882-8513, Fax : 605-884-2450, E-mail : dschofield@nascenttechnology.com  
NASCENTechnology Manufacturing, Inc., 1404 9<sup>th</sup> Ave. SW, Watertown, SD 57201  
www.nascenttechnology.com