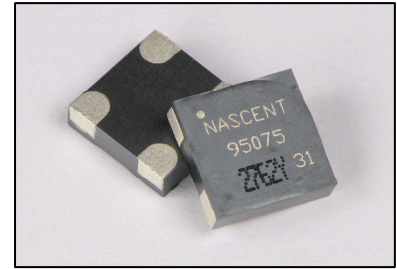
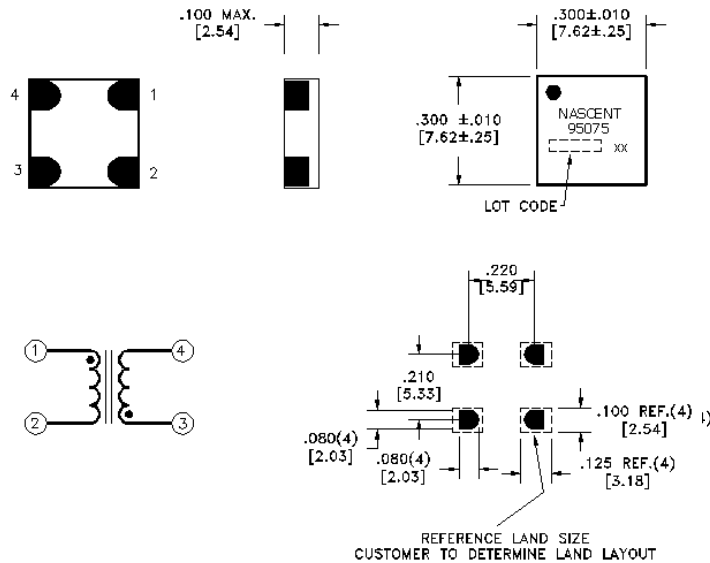


LTCC

High Voltage Flyback Transformer

95075, 95075-STX



Features

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

Variants

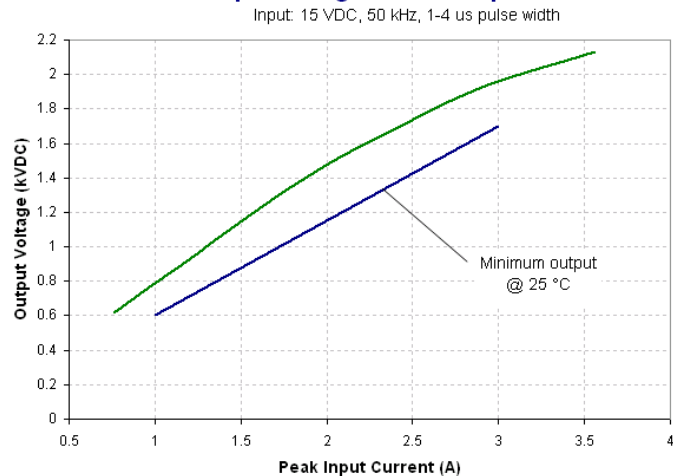
- STX's are pre-stressed

NASCENTTechnology, 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 | 28.0 μ H |
| | 500 mV | +/- 30% |
| Pulse Inductance | 15 VDC | 21.0 μ H |
| | 2.0A pk | +/- 3 μ H |
| Leakage Inductance | 100 kHz | 9 μ H typ. |
| | 500 mV | |
| Secondary Inductance | 100 kHz | 1.60 mH |
| | 500 mV | +/- 30 % |
| Primary Resistance | | 1.45 Ω |
| | | +/- 20% |
| Secondary Resistance | | 27.4 Ω |
| | | +/- 20% |
| Dielectric Rating | 60 Hz, 1s | 1500 V |
| Turns ratio | | 1:8 |
| V- μ s Rating | | 60 |

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
 NASCENTTechnology, 121 Airport Drive, Watertown, SD 57201
www.nascenttechnology.com