

**6W LMT3811 35.4:1 Transformer**
**DESCRIPTION**

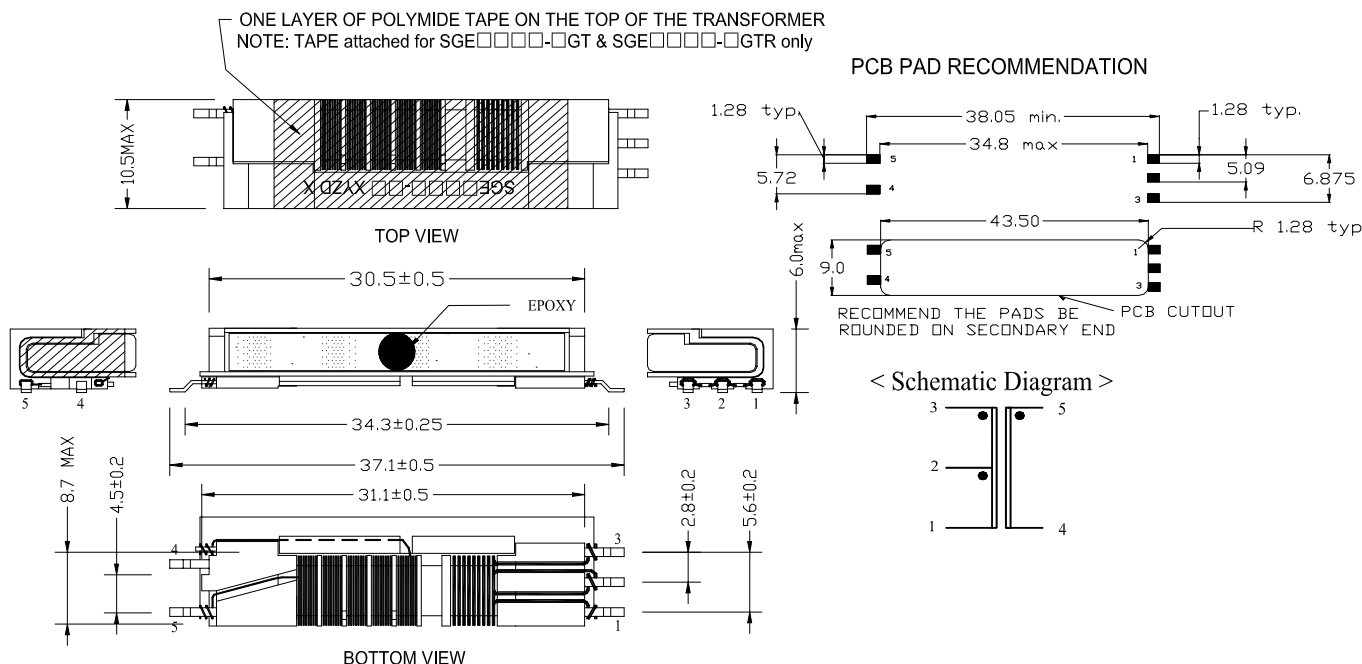
This document describes and specifies the electrical and mechanical characteristics of the SGE2655-3G high voltage transformer for CCFL inverter power supplies. SGE2655-3G is the RoHS compliant and Lead free transformer. For Reliability and Safety Specification, refer to SGE2606-2.

**ELECTRICAL CHARACTERISTICS**

| Items                                                        | Inductance (@ 10Khz, 0.1V) |                              |      | Items                                                            | DC. Resistance |                                    |      |
|--------------------------------------------------------------|----------------------------|------------------------------|------|------------------------------------------------------------------|----------------|------------------------------------|------|
|                                                              | Min                        | Nom                          | Max  |                                                                  | Min            | Nom                                | Max  |
| L1-2, L2-3 (μH)                                              | 222                        | 245                          | 266  | R <sub>DC</sub> 1-2, R <sub>DC</sub> 2-3(mΩ)                     | 180            | 187                                | 194  |
| L4-5 (mH)                                                    | 830                        | 1012                         | 1230 | R <sub>DC</sub> 4-5 (Ω)                                          | 390            | 415                                | 430  |
| L <sub>LKG1-2</sub> , L <sub>LKG2-3</sub> (μH)               | Inductance (@ 100KHz, 1V)  |                              |      | R <sub>DC</sub> 1-2 / R <sub>DC</sub> 2-3                        | 0.96           | 1                                  | 1.04 |
|                                                              | 21                         | 23                           | 25   | Secondary Self Capacitance ( HP4192A 1MHz C meter, 30mVrms)      |                |                                    |      |
| L <sub>LKG4-5</sub> (mH)                                     | NA                         | NA                           | NA   | C <sub>4.5</sub> (pF)                                            | 2.0            | 2.5                                | 3.5  |
| Rating                                                       |                            |                              |      | Dielectric Voltage Withstand                                     |                |                                    |      |
| Note: Max output power varies depend on operating condition. |                            |                              |      | 60Hz, Arc-detect enabled, 5 sec. min. 200μA max. leakage current |                |                                    |      |
| Max Open Output Voltage                                      |                            | 2000V <sub>RMS</sub> , 3sec. |      | Secondary to Core                                                |                | 2500V <sub>RMS</sub> min. ( 60sec) |      |
| Max Output Voltage                                           |                            | 1100V <sub>RMS</sub>         |      | Primary to Core                                                  |                | 1000V <sub>RMS</sub> min.          |      |
| Max Output Power                                             |                            | 6W                           |      | Primary to Secondary                                             |                | 2500V <sub>RMS</sub> min.          |      |

**WINDING SPECIFICATIONS**

|                  | Primary                       |                               | Secondary                     |
|------------------|-------------------------------|-------------------------------|-------------------------------|
|                  | Pin 1 – 2                     | Pin 2 – 3                     | Pin 4 – 5                     |
| Winding Sequence | 2S – 1F                       | 3S – 2F                       | 5S – 4F                       |
| Wire Size & Type | #31, Single Insulation, 180°C | #31, Single Insulation, 180°C | #46, Triple Insulation, 180°C |
| Number of Turns  | 24                            | 24                            | 1700                          |
| Winding Method   | Bifilar                       |                               | Skip sector 1. ( Empty)       |

**PHYSICAL SPECIFICATIONS & WIRING DIAGRAM**

**PART MARKING**

**SGE□□□□-□G XYZD A** – SGE2655-3G: MSC PN, XYZ: Datecode (X:YR, YZ=WK), D: Plant Code, A: Rev.#

**PACKAGING SPEC AND ORDER INFORMATION**

**Packaging Order Information** – SGE2655-3G ( Standard for TRAY)  
 SGE2655-3GTR (Tape and Reel )  
 SGE2655-3GT (with Polyimide Tape for TRAY)

**TAPE & REEL** : Refer to SGE2604-4 specification



[查询"SGE2655-3G"供应商](#)

Specification Number  
**SGE2655-3G**  
Revision. A (082905)

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## NOTES

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