

This Document describes and specifies the electrical and mechanical characteristics of SGE2660-3 high voltage transformer for CCFL inverter power supply. This component should be designed and manufactured in accordance with Engineering Specification LES3811T

**REVISIONS**

REV. X 071502 Engineering Rev. X REV.A 100402 Release

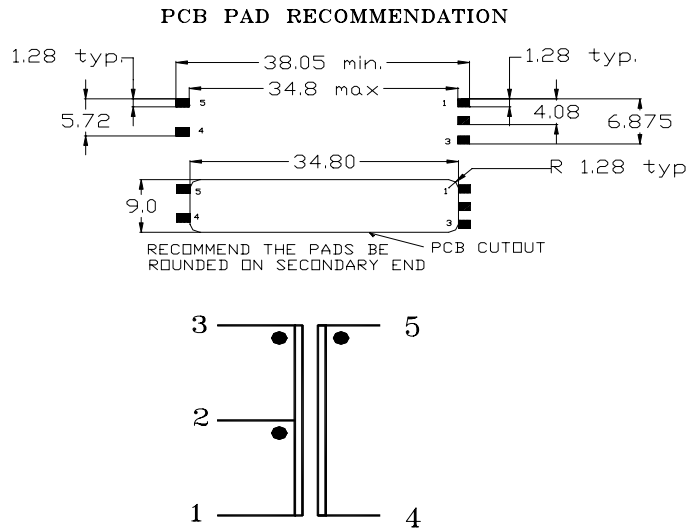
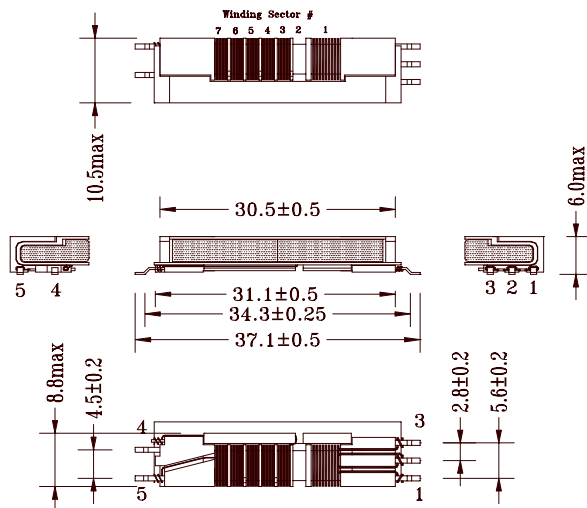
**1. Electrical Characteristics**

Items	Inductance ( at 10Khz, 0.1V)			Items	D.C Resistance		
	Min	Nom	Max		Min	Nom	Max
L1-2, L2-3 (uH)	420	476	544	R12,R23(mΩ)	545	557	572
L5-4 (mH)	690	777	920	Rdc5-4(Ω)	348	364	380
L <sub>LKG1-2</sub> , L <sub>LKG2-3</sub> (uH)	Inductance ( at 100Khz, 1Vrms)			R1-2/R2-3	0.96	1	1.04
	50	52	54	Balance of Primary DC resistance will be used as Bifilar winding measure tool			
Should be shorted pin 6-7							
Secondary Self Capacitance				HP4280A 1Mhz C meter, Floating mode			
C5-4 (pF)	2.0	2.5	3.0				
Dielectric Voltage Withstand							
Secondary to Core			60 Hz.,Arc-detect enabled, 5 sec. min.,			2500Vrms min. ( 1min. 60Hz)	
Primary to Core			200uA max. leakage current			1000Vrms min.	
Primary to Secondary						1000Vrms min.	
Operating Test							
V5-4	Primary driven with 60 kHz. sine wave source (pin 1-3), secondary measured with Tektronix P6015 (or equiv.)..			2000Vrms min.			

**2. Winding Specifications**

	Primary		Secondary
	Pin 1 – 2	Pin 2-3	Pin 4-5
Winding Sequence	2S-1F	3S-2F	5S-4F
Wire Size & Type	#34 , Single Insulation 130°C	#34, Single Insulation 130°C	#46, Triple insulation 130°C
Number of Turns	36	36	1500
Winding Method	Bifilar		

**3. Physical Specification & Wiring Diagram**



**4. Packaging Marking – SGE2660-3□□**

□□ → Blank -- Standard Packing ( Tray)  
↳ TR ----- Custom Packing (Tape and Reel)