

This Document describes and specifies the electrical and mechanical characteristics of SGE2671-1 high voltage transformer for CCFL power supply. This component should be designed and manufactured in accordance with Engineering Specification LES2608T

**REVISIONS**

REV. A 121802 Release

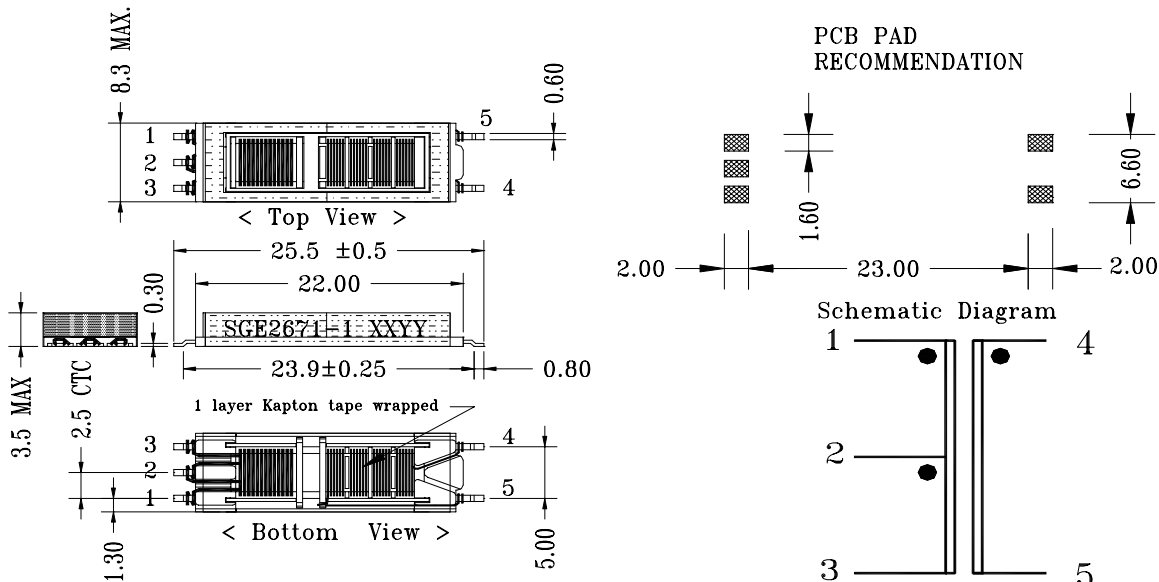
**1. Electrical Characteristics**

Items	Inductance ( at 10Khz, 0.1V)			Items	D.C Resistance		
	Min	Nom	Max		Min	Nom	Max
L1-2, L2-3 (uH)	39	47.8	56	Rdc1-2,2-3(mi)	138	145	153
L4-5 (mH)	367	441.4	515	Rdc4-5(Ω)	470	487	500
L <sub>LKG1-2</sub> , L <sub>LKG2-3</sub> (uH)	Inductance ( at 100Khz, 1Vrms)			R1-2/R2-3	0.96	1	1.04
	47	48.5	51	Balance of Primary DC resistance will be used as Bifilar winding measure tool			
Should be shorted pin 7-10				HP4280A 1Mhz C meter, Floating mode			
Secondary Self Capacitance							
C4-5(pF)	1.9	2.2	3				
Dielectric Voltage Withstand							
Secondary to Core		60 Hz., Arc-detect enabled, 5 sec. min., 200uA max. leakage current		1500Vrms min. ( 1min. 60Hz)			
Primary to Core				750Vrms min.			
Primary to Secondary				750Vrms min.			
Operating Test							
V4-5		Primary driven with 80 kHz. sine wave source (pin 1-3), secondary measured with Tektronix P6015 (or equiv.)..		1200Vrms min.			

**2. Winding Specifications**

	Primary		Secondary
	Pin 1 – 2	Pin 2-3	Pin 4-5
Winding Sequence	1S-2F	2S-3F	4S-5F
Wire Size & Type	0.18φ, Single Insulation, 130°C	0.18φ, Single Insulation, 130°C	0.03φ, Triple insulation, 130°C
Number of Turns	16	16	1600
Winding Method	Bifilar		

**3. Physical Specification & Wiring Diagram**



Note : This transformer is design for single ended application. Pin 5 must to be connected to low voltage side or ground.