

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

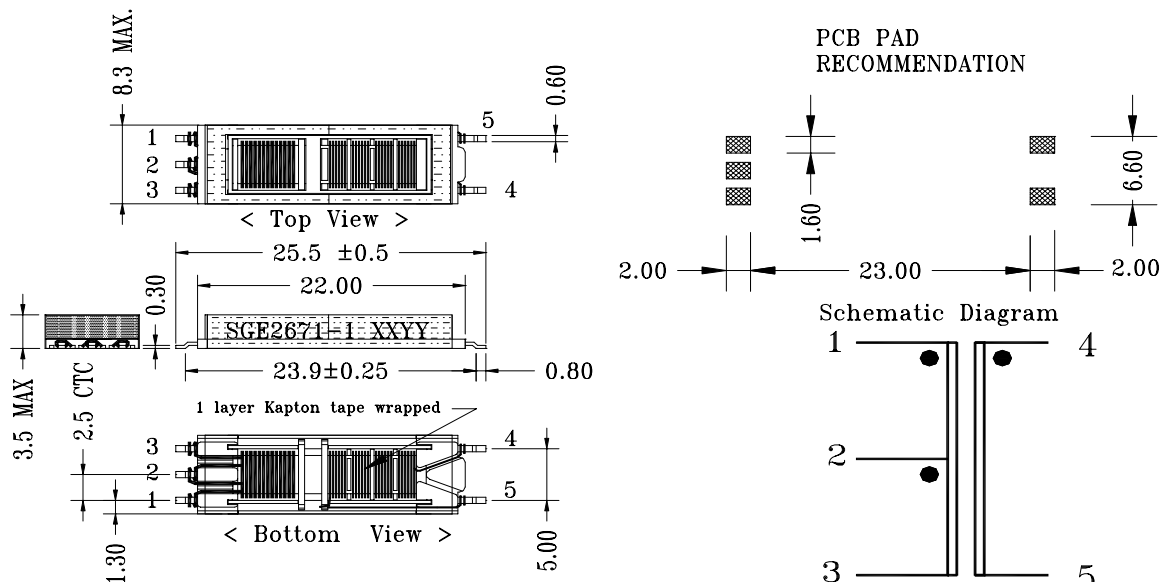
1. Electrical Characteristics

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(m)	138	145	153
L4-5 (mH)		367	441.4	515	Rdc4-5(Ω)	470	487	500
L _{LKG1-2} ,L _{LKG2-3} (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								
Secondary Self Capacitance					HP4280A 1Mhz C meter, Floating mode			
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.