

This Document describes and specifies the electrical and mechanical characteristics of SGE2675-1 high voltage transformer. This component should be designed and manufactured in accordance with Engineering Specification LES2608T-01

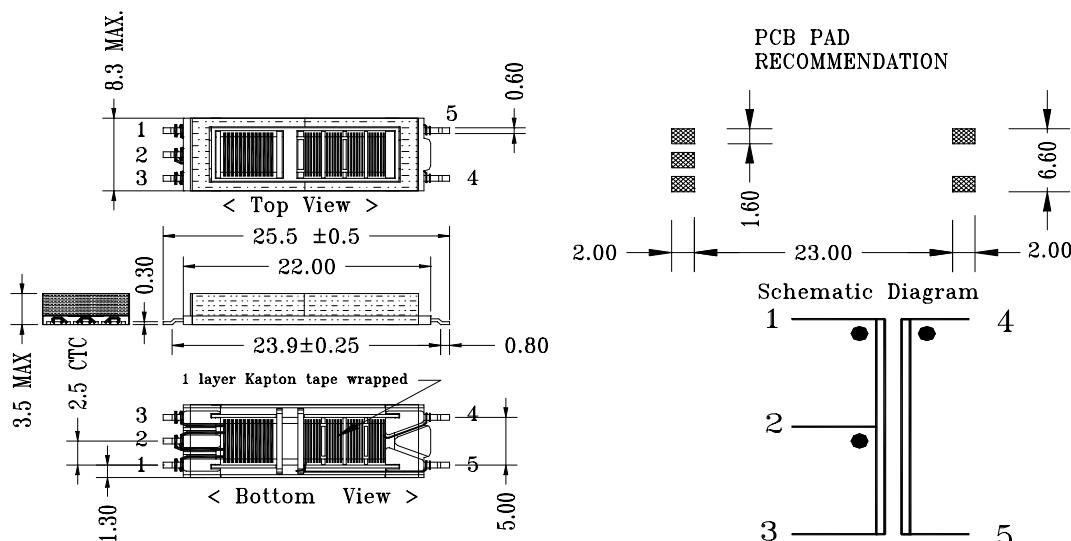
### 1. Electrical Characteristics

Items	Inductance ( at 10Khz, 0.1V)			Items	D.C Resistance		
	Min	Nom	Max		Min	Nom	Max
L1-2 (uH)	60	85	112	Rdc1-2(mΩ)		198	
L2-3 (uH)	60	85	112	Rdc2-3(mΩ)		198	
L4-5 (mH)		428		Rdc4-5(Ω)		493	570
L <sub>LKG1-2</sub> , L <sub>LKG2-3</sub>	Inductance ( at 100Khz, 1Vrms)			Should be shorted pin 4-5 Bifilaring			
	18	19	20				
L <sub>LKG1-2</sub> / L <sub>LKG2-3</sub>	0.96	1	1.04				
<b>Secondary Self Capacitance</b>				HP4280A 1Mhz C meter, Floating mode			
C4-5(pF)	1.9	2.2	3				
<b>Dielectric Voltage Withstand</b>							
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.			
<b>Operating Test</b>							
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	22	22	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.