This Document describes and specifies the electrical and mechanical characteristics of SGE2697-1 inverter transformer for CCFL inverter power supply . This component should be designed and manufactured in accordance with Engineering Specification LES1410T

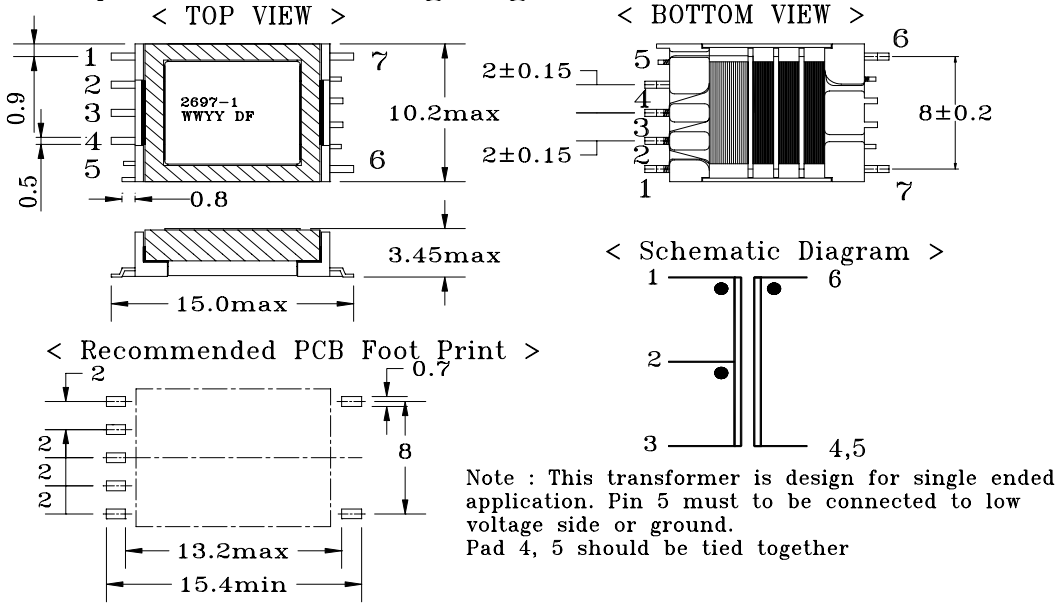
1. Electrical Characteristics

Items	Inductance (at 10Khz, 0.1V)			Items	D.C Resistance		
	Min	Nom	Max		Min	Nom	Max
L1-2, L2-3 (uH)	57.0	80.0	103.0	R1-2, R2-3(mΩ)	234	250	266
L6-5 (mH)	660	921	1180	Rdc6-5(Ω)	880	930	980
L_{LKG2-4} , L_{LKG4-6} (uH)	**Inductance (at 100Khz, 1Vrms)**			R1-2/R2-3	0.96	1	1.04
	5.1	5.4	5.7	Balance of Primary DC resistance will be used as Bifilar winding measure tool			
Should be shorted pin 6-5							
Secondary Self Capacitance				HP4280A 1Mhz C meter, Floating mode			
C6-5 (pF)	2.0	3.2	5.0				
Dielectric Voltage Withstand							
Secondary to Core	60 Hz.,Arc-detect enabled, 5 sec. min., 200uA max. leakage current			1200Vrms min. (1min. 60Hz)			
Primary to Core				1000Vrms min.			
Primary to Secondary				1200Vrms min.			
Operating Test							
V6-5	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 6-5
Winding Sequence	1S-2F	2S-3F	6S-5F
Wire Size & Type	0.15φ, Single Insulation, 130°C	0.15φ, Single Insulation, 130°C	#50, Class 2 (JIS3202), 130°C
Number of Turns	16	16	1700
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.
Pad 4, 5 should be tied together