

This Document describes and specifies the electrical and mechanical characteristics of SGE2686-1 high voltage transformer for CCFL inverter power supply. This component should be designed and manufactured in accordance with Engineering Specification LES2110T

REVISIONS

REV. B 021304 Dimension changed by adding Kepton tape, Added Packaging Marking specification

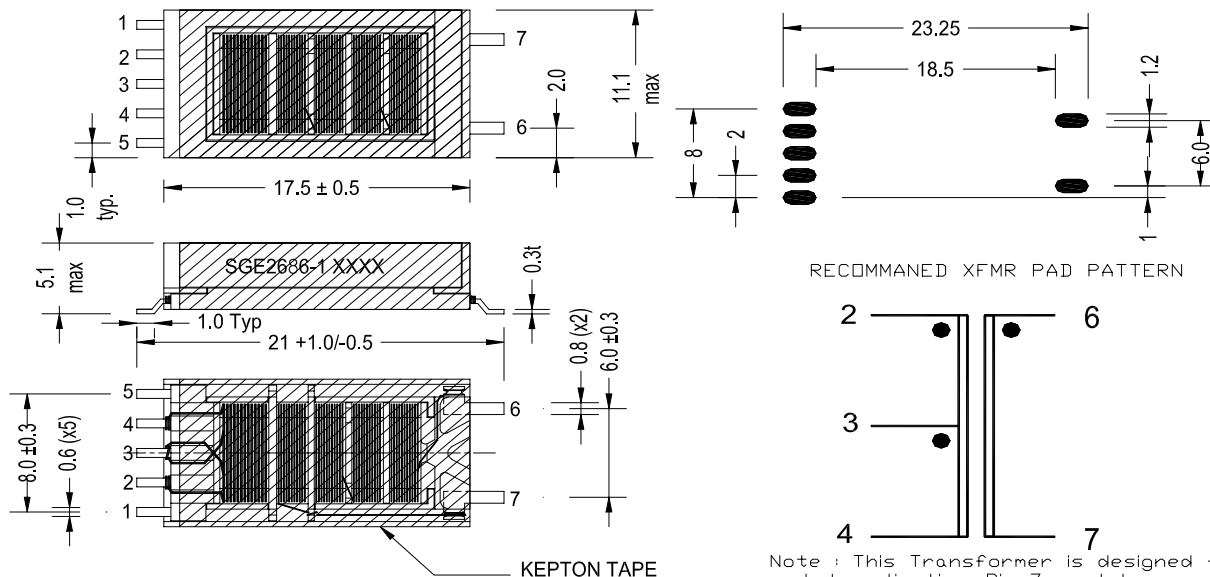
1. Electrical Characteristics

Items	Inductance (at 10Khz, 0.1V)			Items	D.C Resistance		
	Min	Nom	Max		Min	Nom	Max
L2-3, L3-4 (uH)	110	132	154	R2-3,R3-4(mΩ)	171	175.5	189
L6-7 (mH)	1024	1213	1396	Rdc6-7(Ω)	362	371	380
L _{LKG2-4} , L _{LKG4-6} (uH)	Inductance (at 100Khz, 1Vrms)			R2-3/R3-4	0.96	1	1.04
	6.5	7	7.5	Balance of Primary DC resistance will be used as Bifilar winding measure tool			
Should be shorted pin 6-7							
Secondary Self Capacitance							
C4-5 (pF)	2.0	2.5	3.0	HP4280A 1Mhz C meter, Floating mode			
Dielectric Voltage Withstand							
Secondary to Core		60 Hz.,Arc-detect enabled, 5 sec. min., 200uA max. leakage current		2000Vrms min. (1min. 60Hz)			
Primary to Core				1000Vrms min.			
Primary to Secondary				1000Vrms min.			
Operating Test							
V6-7	Primary driven with 80 kHz. sine wave source (pin 2-4), secondary measured with Tektronix P6015 (or equiv.)..			1500Vrms min.			

2. Winding Specifications

	Primary		Secondary
	Pin 2 – 3	Pin 3-4	Pin 6-7
Winding Sequence	2S-3F	3S-4F	6S-7F
Wire Size & Type	#33, Single Insulation, 180°C	#33, Single Insulation, 180°C	#46, Triple insulation, 180°C
Number of Turns	16	16	1600
Winding Method	Bifilar		

3. Physical Specification & Wiring Diagram



4. Packaging Marking - SGE2686-1□□

- → Blank -- Standard Packing (Tray)
- ↳ TR ----- Custom Packing (Tape and Reel) (MARKING ON REEL AND SHIPPING BOX ONLY)