

This Document describes and specifies the electrical and mechanical characteristics of SGE2663-3 high voltage transformer for CCFL inverter power supply. This component should be designed and manufactured in accordance with Engineering Specification LES2820

REVISIONS

REV. X 070303 Initial Draft for Engineering
 Rev. A 060404 Release

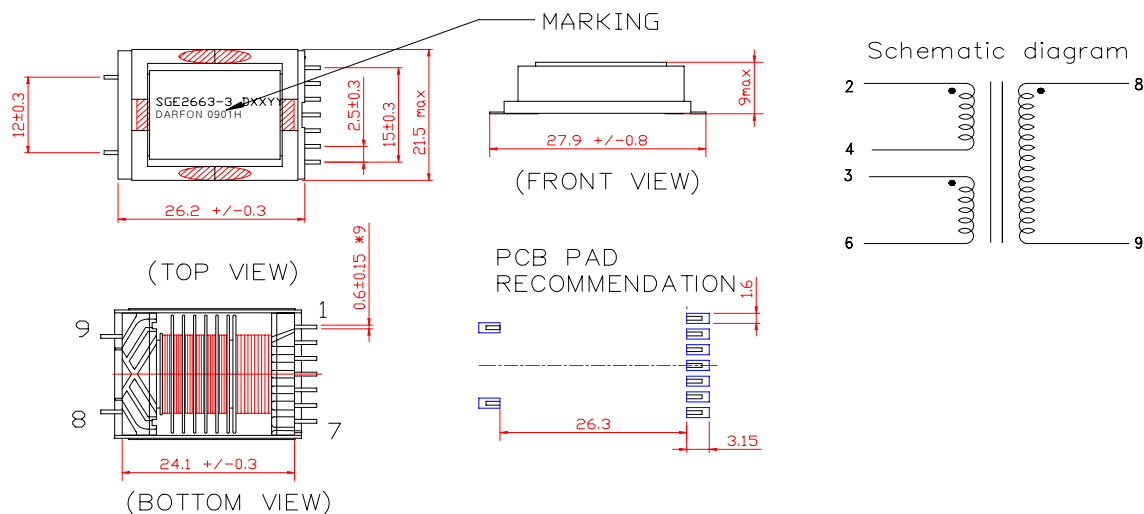
Rev._X1 121903 Revised the Electrical Data & Mechanical Data_

1. Electrical Characteristics

Items	Inductance (at 10Khz, 0.1V)			Items	D.C Resistance		
	Min	Nom	Max		Min	Nom	Max
L4-2, L6-3 (uH)	100.8	126	151.2	Rdc4-2,Rdc6-3(mΩ)	143	153	200
L8-9 (mH)	928	1160	1334	Rdc8-9(Ω)		711	825
L _{LKG} 8-9(mH)	Inductance (at 100Khz, 1Vrms)			R4-2/R6-3	0.96	1	1.04
	190	223.5	257	Balance of Primary DC resistance will be used as Bifilar winding measure tool			
Should be shorted pin 6-3, pin4-2							
Secondary Self Capacitance				HP4280A 1Mhz C meter, Floating mode			
C8-9 (pF)		3.6					
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				2500Vrms min.			
Operating Test							
V6-5		Primary driven with 60 kHz. sine wave source (pin 1-10), secondary measured with Tektronix P6015 (or equiv.)..		2000Vrms min. (3 second)			

2. Winding Specifications

	Primary		Secondary
	Pin 2 – 4	Pin 3 - 6	Pin 8 - 9
Winding Sequence	2S-4F	3S-6F	8S-9F
Wire Size & Type	UEW ϕ 0.3	UEW ϕ 0.3	UEW ϕ 0.045
Number of Turns	20	20	2000
Winding Method	Bifilar		

3. Physical Specification & Wiring Diagram (Gull wing type)

4. Packaging Marking - SGE2663-3□□ □□ (Blank -- Standard Packing (Tray)