

FOR MESSRS : _____

SPECIFICATION FOR REFERENCE

(FOR LCD MNT 17~19" 4LAMP 4PIN APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF1742-60A

BUYER'S PART NO.:

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1. Electrical Characteristics

► Input Voltage (Vdc) : 11.5 ~12.5

► Analog mode dimming

No.	Items (Unit)	Sign.	Condition		Min.	Typ.	Max.
1	Input Current (A)	I _{in}	V _{in} =12V	CTRL=5V	1.0	1.2	1.4
				CTRL=0V	1.8	2.0	2.2
2	Output Current 1,2(mA)	I _{out} 1,2	V _{in} =12V	CTRL=5V	2.0	3.0	4.0
				CTRL=0V	6.0	6.8	8.0
3	Output Current 3,4(mA)	I _{out} 3,4	V _{in} =12V	CTRL=5V	2.0	3.0	4.0
				CTRL=0V	6.0	6.8	8.0
4	Lamp Frequency (kHz)	f	V _{in} =12V	CTRL=0V	53	58	63
5	ON/OFF Control	ON	V _{in} =12V, ON/OFF=5V		Normal Operation		
		OFF	V _{in} =12V, ON/OFF=0V		Shunt-down (Lamp off)		
6	Dim Adjust (Lamp Current Control)	CTRL	CTRL=0V,Max Current		0.0 ~ 5.0 Volt.		
			CTRL=5V,Min Current				
7	Kick-Off Voltage (RMS)		More than 1650Vrms				
8	Ignition Time (Sec)		MIN 1S				

2. Functional Pin Description

2-1. Input Connector CN1 : 12505WR-12A00 (YEON-H0)

Pin No.	Symbol	Description
10,11,12	Vin	Input Voltage : 12V \pm 0.5V
1,3.5.6.8.9	GND	GND
2	CTRL	Dim Adjust, Apply 0V ~ 5Vdc to Control Lamp Current 0 V : 6.8mA, 5V : 3.0mA (Each Lamp)
4	ON / OFF	Power System Return (5V:ON, 0V:OFF)

2-2. Output Connector CN2,CN3,CN4,CN5 : 35001WR-02A00 (YEON-H0)

Pin No.	Symbol	Description
1	Lamp H1	High Voltage Connection to high side of Lamp.
2	Lamp L1	Low Voltage Connection to low side of Lamp.

*. Unit : mm
*.Tolerance : $\pm 0.2\text{mm}$

