

SPECIFICATION FOR REFERENCE

(FOR LCD MNT/TV 2 Lamp APPLICATION PURPOSE)

TFT LCD BACKLIGHTING INVERTER

PART NO. : FIF1521-07C

BUYER'S PART NO.:

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1. Electrical Characteristics

- Analog dimming

| NO. | Items (Unit) | Sign. | Condition | | Min. | Typ. | Max. |
|-----|---|--------|----------------------|---------|------------------------|------|------|
| 1 | Input Voltage [Vdc] | Vin | | | 11.0 | 12.0 | 13.0 |
| 2 | Input Current [A] | lin | Vin=12V | CTRL=5V | 0.05 | 0.15 | 0.23 |
| | | | | CTRL=0V | 0.78 | 0.88 | 0.98 |
| 3 | Output Current 1,2 [mA] | Iout | Vin=12V | CTRL=5V | 2.0 | 3.0 | 4.0 |
| | | | | CTRL=0V | 7.5 | 8.2 | 8.9 |
| 4 | Lamp Frequency [kHz] | | Vin=12V | CTRL=0V | 41 | 46 | 51 |
| 5 | ON/OFF Control | ON | Vin=12V, ON/OFF=5V | | Normal Operation | | |
| | | OFF | Vin=12V, ON/OFF=0V | | Shut – Down (Lamp Off) | | |
| 6 | Dim Adjust (Lamp Current Control) | CTRL | CTRL=0V, Max Current | | 0~5 V | | |
| | | | CTRL=5V, Min Current | | | | |
| 7 | Kick-Off Voltage (Vrms) | Vk-off | Kick-Off | | More Than 1100V | | |

2. Functional Pin Description

2.1. Input Connector CN1: 12505WR-10A00 (Yeon-ho)

| Pin No. | Symbol | Description |
|---------|--------|--|
| 9,10 | Vin | Input Voltage : 12V \pm 1V |
| 3,4,7,8 | GND | GND |
| 1 | CTRL | Dim Adjust, Apply 0V ~ 5Vdc to Control Lamp Current 0 V :8.2mA, 5V :3.0mA (Each Lamp) |
| 5 | ON/OFF | Power System Return (5V:ON, 0V:OFF) |

2.2. Output Connector CN2,3 : 20015WR-05A00 (Yeon-ho)

| Pin No. | Symbol | Description |
|---------|--------|---|
| 1 | Lamp H | High Voltage connection to high side of lamp. |
| 2 | Lamp L | Low Voltage connection to low side of lamp. |

