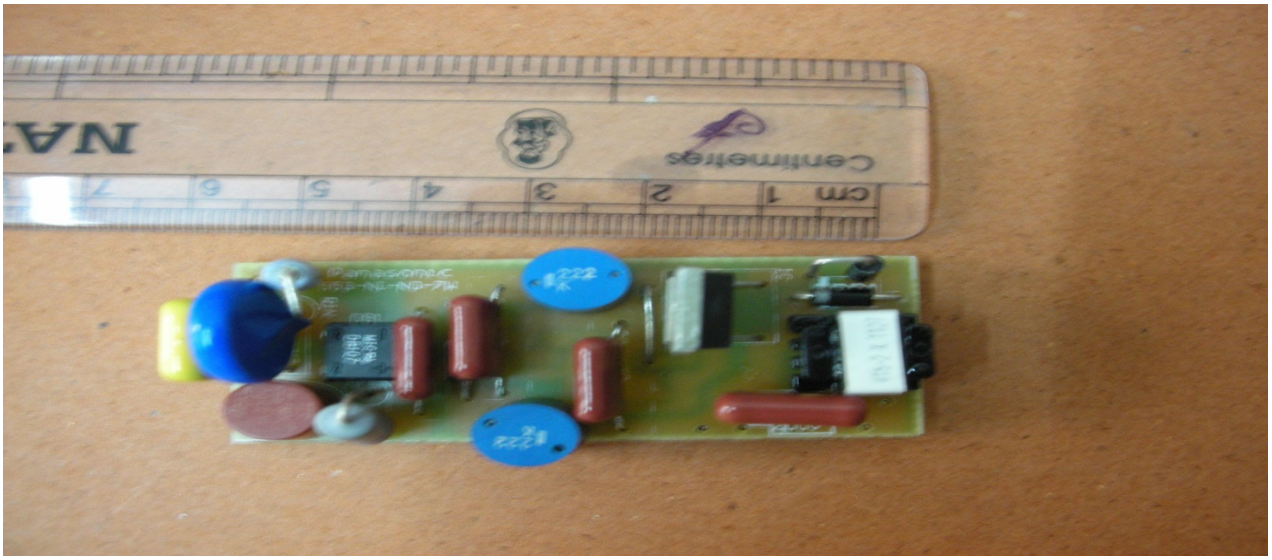
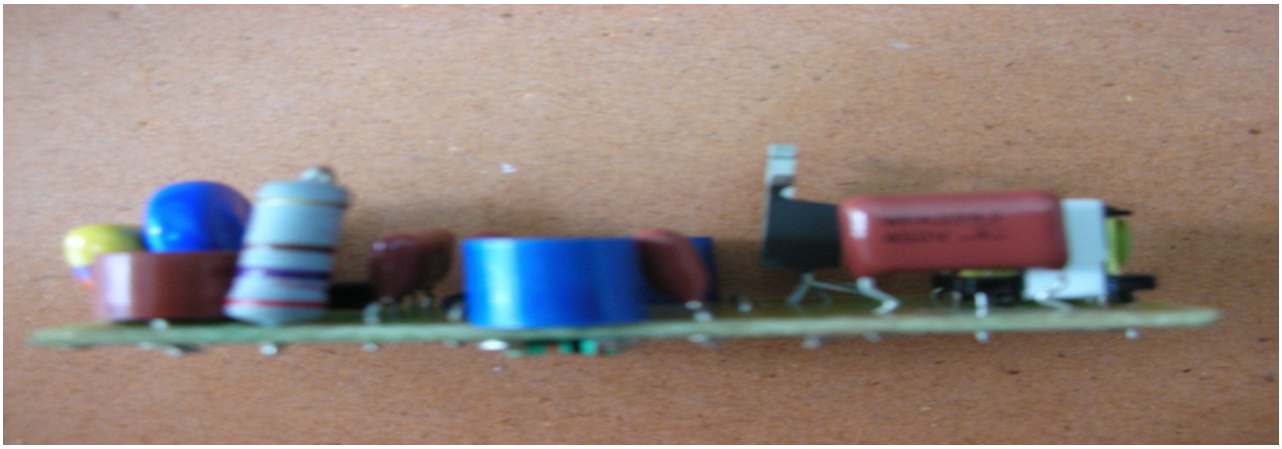
SM 7 WATT LED LIGHT BOARD (V1.0)

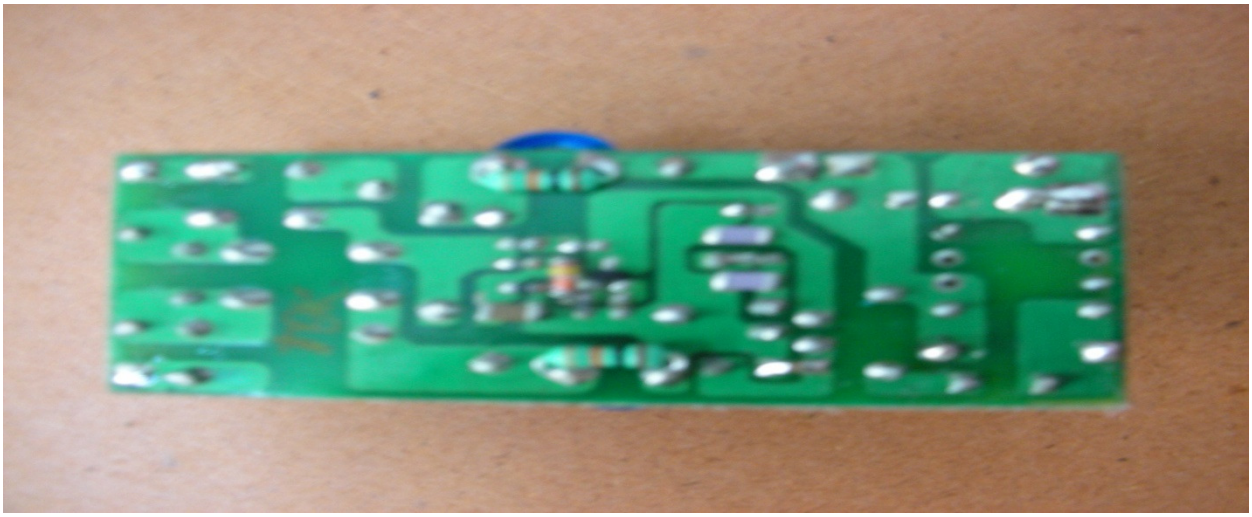
TOP VIEW



SIDE VIEW



BOTTOM VIEW



REVISION HISTORY

Name	Date	Reason for changes	Version
PANASONIC 7 **WATT** TUBE LIGHT BOARD	25/8/2011	First version released	1.0

INTRODUCTION

MIP553 is a very suitable IPD for LED lighting. LED current is controlled to be constant under high input voltage i.e. commercial power supply, and this product is able to achieve high efficiency, high power factor and small sizing for LED lighting circuit. MIP553 controls the DRAIN peak current of internally built-in power MOSFET. Since LED peak current is equal to DRAIN peak current, LED current is regulated and also LED device is protected from over current.

❖FEATURES

- Worldwide input voltage, 80 VAC to 280 VAC
- Typical LED peak current MIP55 : 1.5 A
- Peak current can be adjusted in two-stage correspond Voltage.
- Dimmer control function : EX-pin voltage range, 0v to 3v
- Function to set input voltage that can be driven L-pin voltage range
- Over temperature protection for IPD (Auto-restart)

❖ SPECIFICATIONS

Item	Package	Vdss	Fosc	Idpeak	Ron	Maximum1output power（ta=25°c)
MIP 553	TO-220IPD7-A2	≥700V	44 kHz (typ.)	1.5A (typ.)	3.5Ω(typ.)	10W (Io=0.35A, C3=47μF)

❖POWER SUPPLY SECTION

- Input Voltage: 85-138VAC/187-264
- Output power: 30Watt

❖APPLICATION

- LED-lighting
- HB-LED drive circuit