

## SHUNDE CORSO ELECTRONICS CO., LTD.

## BILL OF MATERIAL

INPUT POWER: 25W

MODEL: CPTL25W

INPUT VOLTAGE: 120V 60Hz

POWER FACTOR: 0.5

REF NO: MLM2CPTL25ULA

REVISION: B

DESCRIPTION: ENERGY SAVING LAMP

ISSUED DATE: 2006-12-29

| COMPONENT            | SYMBOL     | SPECIFICATION                      | MANUFACTURE                                                                                                         | UL FILE                   |
|----------------------|------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------|
| INDUCTOR             | N1: N2: N3 | H10×6×3 3:3:9T                     |                                                                                                                     |                           |
|                      | L0         | L0=2.0mH                           |                                                                                                                     |                           |
|                      | L1         | L1=1.5mH EE19B                     |                                                                                                                     |                           |
| TRANSISTOR           | Q1 Q2      | BUL1688L/BULD133DL TO-126          |                                                                                                                     |                           |
| DIODE                | D1-D7      | 1N4007                             |                                                                                                                     |                           |
|                      | D8 D9      | FR105                              |                                                                                                                     |                           |
| TRIGGERING DIODE     | D0         | DB3 32V                            |                                                                                                                     |                           |
| E.CAPACITOR          | C2         | 33 $\mu$ F/200V 105°C              | ED/EB/CD11GE/RH/CLA                                                                                                 |                           |
| METALIZE CAPACITOR   | C0 C1      | 0.22 $\mu$ F/400V CL21/CL11        |                                                                                                                     |                           |
|                      | C3         | 0.022 $\mu$ F/63V(100V) CL11/CL111 |                                                                                                                     |                           |
|                      | C4         | 470pF/1000V CL11/CL111             |                                                                                                                     |                           |
|                      | C5         | 0.1 $\mu$ F/400V CL21/CL11         |                                                                                                                     |                           |
|                      | C6-C7      | 5600pF/1000V(1250V) CBB18/CBB81    |                                                                                                                     |                           |
|                      | C8         | 3300pF/1000V CL11/CL111            |                                                                                                                     |                           |
| RESISTOR             | R1 R2      | RT14 560k $\Omega$                 |                                                                                                                     |                           |
|                      | R3 R4      | RF14 10 $\Omega$                   |                                                                                                                     |                           |
|                      | R5 R6      | RT14 0.5 $\Omega$                  |                                                                                                                     |                           |
| Fusing Resistors     | L          | RF10-2W 2.0 $\Omega$               | SHANGHAI DOUBLE SWING ELECTRONIC CO LTD                                                                             | E231958                   |
| PCB                  |            | CTU-1M5 FR-1                       | CHENGDE PCB MFG CO LTD<br>KINGBOARD LAMINATES LTD.<br>ZHONGSHAN LIXIN CHAIN-BOARD CO LTD                            | E198946/E123995(S)/E23007 |
| LAMP TUBE            |            | Spiral 25W                         |                                                                                                                     |                           |
| UPPER AND LOWER CASE |            | PL54 PBT-RG301                     | GUANGZHOU KINGFA SCIENCE & TECHNOLOGY CO LTD                                                                        | E171666                   |
| LEAD WIRE            | N          | UL1015/1007 24AWG L=65mm           | ZHONGSHAN CITY SENBAO ELECTRIC CO LTD<br>KELIN WIRE CO LTD<br>(DONGGUAN) ZHONG SHAN YONG RO ELECTRIC FACTORY CO LTD | E199818/E250866/E204893   |

PREPARED BY: Charles Lin 2006-12-29

APPROVED:



## SHUNDE CORSO ELECTRONICS CO., LTD.

## BILL OF MATERIAL

INPUT POWER: 20W

MODEL: CPTL 20W

POWER FACTOR: 0.5

REVISION: B

INPUT VOLTAGE: 120V 60Hz

REF NO: MLM2CPTL20ULA

DESCRIPTION: ENERGY SAVING LAMP

ISSUED DATE: 2006-12-29

| COMPONENT            | SYMBOL     | SPECIFICATION                     | MANUFACTURE                                                                                                          | UL FILE                   |
|----------------------|------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------|
| INDUCTOR             | N1: N2: N3 | H10×6×3 3:3:9T                    |                                                                                                                      |                           |
|                      | L0         | L0=2.0mH                          |                                                                                                                      |                           |
|                      | L1         | L1=1.15mH EE19                    |                                                                                                                      |                           |
| TRANSISTOR           | Q1 Q2      | BLD133DL/123DL TO-126             |                                                                                                                      |                           |
| DIODE                | D1-D7      | 1N4007                            |                                                                                                                      |                           |
| TRIGGERING DIODE     | D0         | DB3 32V                           |                                                                                                                      |                           |
| E.CAPACITOR          | C2         | 22 $\mu$ F/200V 105°C             | EB/CD11GE/RH/CLA                                                                                                     |                           |
| METALIZE CAPACITOR   | C0 C1      | 0.1 $\mu$ F/400V CL21/CL11        |                                                                                                                      |                           |
|                      | C3         | 0.022 $\mu$ F/63V(100V) CL11/CL11 |                                                                                                                      |                           |
|                      | C4         | 470pF/1000V CL11/CL11             |                                                                                                                      |                           |
|                      | C5         | 0.047 $\mu$ F/400V CL21/CL11      |                                                                                                                      |                           |
|                      | C6 C7      | 8200pF/630V(1000V) CL11/CL11      |                                                                                                                      |                           |
|                      | C8         | 2700pF/1000V CL11/CL11            |                                                                                                                      |                           |
| RESISTOR             | R1 R2      | RT14 560k $\Omega$                |                                                                                                                      |                           |
|                      | R3 R4      | RF14 10 $\Omega$                  |                                                                                                                      |                           |
|                      | R5 R6      | RT14 0.5 $\Omega$                 |                                                                                                                      |                           |
| Fusing Resistors     | L          | RF10-2W 2.0 $\Omega$              | SHANGHAI DOUBLE SWING ELECTRONIC CO LTD                                                                              | E231958                   |
| PCB                  |            | CTU-1M5 FR-1                      | CHENGDE PCB MFG CO LTD<br>KINGBOARD LAMINATES LTD.<br>ZHONGSHAN LIXIN CHAIN-BOARD CO LTD                             | E198946/E123995(S)/E23007 |
| LAMP TUBE            |            | Spiral 20W                        |                                                                                                                      |                           |
| UPPER AND LOWER CASE |            | PI.54 PBT-RG301                   | GUANGZHOU KINGFA SCIENCE & TECHNOLOGY CO LTD                                                                         | E171666                   |
| LEAD WIRE            | N          | UL1015/1007 24AWG L=65mm          | ZHONGSHAN CITY SENBAO ELECTRIC CO LTD<br>KELIN WIRE CO LTD<br>(DONGGUAN) ZHONG SHAN YONG ROI ELECTRIC FACTORY CO LTD | E199818/E250866/E204893   |

PREPARED BY: Charles Lin 2006-12-29

APPROVED:



# BILL OF MATERIAL

## INPUT POWER: 13W

MODEL: CPTL13W  
POWER FACTOR: 0.5  
REVISION: B

INPUT VOLTAGE: 120V 60Hz  
REF NO: MLM2CPTL13ULA

DESCRIPTION: ENERGY SAVING LAMP

ISSUED DATE: 2006-12-29

| COMPONENT            | SYMBOL     | SPECIFICATION                      | MANUFACTURE                                                                                                       | UL FILE                   |
|----------------------|------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------|
| INDUCTOR             | N1, N2, N3 | R10×6×3 3:3:9T                     |                                                                                                                   |                           |
|                      | L0         | L0=2.2mH                           |                                                                                                                   |                           |
|                      | L1         | L1=1.0mH EE19                      |                                                                                                                   |                           |
| TRANSISTOR           | Q1 Q2      | BLD123DL/122DL TO-126              |                                                                                                                   |                           |
| DIODE                | D1-D7      | 1N4007                             |                                                                                                                   |                           |
| TRIGGERING DIODE     | D0         | D03 32V                            |                                                                                                                   |                           |
| E.CAPACITOR          | C2         | 15 $\mu$ F/200V 105°C              | CD11GA/CD11GE/RH/CLA                                                                                              |                           |
| METALIZE CAPACITOR   | C0 C1      | 0.1 $\mu$ F/400V CL21/CL11         |                                                                                                                   |                           |
|                      | C3         | 0.022 $\mu$ F/63V(100V) CL11/CL111 |                                                                                                                   |                           |
|                      | C4         | 470pF/1000V CL11/CL111             |                                                                                                                   |                           |
|                      | C5         | 0.047 $\mu$ F/400V CL21/CL11       |                                                                                                                   |                           |
|                      | C6 C7      | 6800pF/630V(1000V) CL11/CL111      |                                                                                                                   |                           |
|                      | C8         | 1500pF/1000V CL11/CL111            |                                                                                                                   |                           |
|                      |            |                                    |                                                                                                                   |                           |
| RESISTOR             | R1 R2      | RT14 560k $\Omega$                 |                                                                                                                   |                           |
|                      | R3 R4      | RF14 15 $\Omega$                   |                                                                                                                   |                           |
|                      | R5 R6      | RT14 0.5 $\Omega$                  |                                                                                                                   |                           |
| Fusing Resistors     | L          | RF10-2W 2.0 $\Omega$               | SHANGHAI DOUBLE SWING ELECTRONIC CO LTD                                                                           | E231958                   |
| PCB                  |            | CTY1-1MS FR-1                      | CHENGDE PCB MFG CO LTD<br>KINGBOARD LAMINATES LTD.<br>ZHONGSHAN LIXIN CHAIN-BOARD CO LTD                          | E198946/E123995(S)/E23007 |
| LAMP TUBE            |            | Spiral 13W                         |                                                                                                                   |                           |
| UPPER AND LOWER CASE |            | PL54 PBT-RG301                     | GUANGZHOU KINGFA SCIENCE & TECHNOLOGY CO LTD                                                                      | E171666                   |
| LEAD WIRE            | N          | UL 1015 24AWG L=65mm               | ZHONGSHAN CITY SENBAO ELECTRIC CO LTD<br>KELIN WIRE CO LTD (DONGGUAN) ZHONG SHAN YONG BOE ELECTRIC FACTORY CO LTD | E199818/E250866/E204893   |

PREPARED BY: Charles Lin 2006-12-29

APPROVED:

