

CERTIFICATE OF COMPLIANCE

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Issued to: LEEDARSON LIGHTING CO LTD
XINGDA RD
XINGTAI INDUSTRIAL ZONE
CHANGTAI COUNTY
ZHANGZHOU
FUJIAN 363900 CHINA

**This is to certify that
representative samples of**

LAMPS, SELF-BALLASTED, LIGHT-EMITTING-DIODE
TYPE

Models: 6Vy-A806ST-Q1R, 6Vy-A806ST-Q1Z and
6Vy-A806ST-Q1G.(Where “y” may be “A”-“Z” for different
enclosure appearance design.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1993 and CSA C22.2 No. 1993-12, Self-Ballasted
Lamps and Lamp Adapters

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Bruce Mahrenholz, Director North American Certification Program
UL LLC

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March 22, 2017

REPORT

on

Lamps, Self-ballasted, Light-emitting-diode Type

LEEDARSON LIGHTING CO LTD
ZHANGZHOU, FUJIAN 363900 CHINA

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Self-Ballasted Lamps, LED type, Models 6Vy-A806ST-Q1R, 6Vy-A806ST-Q1Z and 6Vy-A806ST-Q1G. (Where "y" may be "A"- "Z" for different enclosure appearance design.

Notes: USL - United States Standard, Listed
CNL - Canadian Standard, Listed

ELECTRICAL RATINGS:

Model Numbers	Lamp Base	Input Ratings				
		(V)	(Hz)	(mA)	(W)	PF
6Vy-A806ST-Q1R	E26	120	60	72	7.4~9.4	0.9
6Vy-A806ST-Q1Z	E26	120	60	72	7.4~9.4	0.9
6Vy-A806ST-Q1G	E26	120	60	80	8.7~10.5	0.9

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL- These devices have been investigated using requirements contained in UL 1993, Standard for Self Ballasted Lamps and Lamp Adapters, 5th edition.

CNL - These devices have been investigated using requirements contained in CSA C22.2 No. 1993-12, Standard for Self Ballasted Lamps and Lamp Adapters, 3rd edition.

GENERAL:

The devices in this report comply with the description on the following pages. They are provided with lamp bases, and intended for connection to the supply sources, noted in ELECTRICAL RATINGS.

1. They employ non-replaceable light sources.
2. They are suitable for dry and damp locations.
3. They have been evaluated for use in surface mount wall and ceiling luminaires portable luminaires.
4. They are not suitable for use in totally enclosed, recessed luminaires.
5. They are not suitable for use with dimmers.
6. The internal LED driver has been evaluated for Risk of Fire Determination, 15-VA Available Power Measurement Test.

CONSTRUCTION DETAILS:

See Section General for additional details.

Assembly and Packing - When shipped from the factory, each unit shall be completely assembled and wired with each electrical component mounted in place and with each splice and connection completed.

"CN" indicates the component has been evaluated to Canadian requirements and the component shall have a Canadian UL certification Mark (cUL or cUR) or UL certification Mark and CSA certification Mark when the Applicant's basic product bears a C-UL certification Mark.

Corrosion Protection - Ferrous metal parts are protected against corrosion by plating or painting.

Current-Carrying Parts - A current-carrying part shall be of silver, copper alloy, stainless steel or other similar metal. Ordinary iron or steel, plain or plated, shall not be used as a current-carrying part.

Electrical Tubing and Sleeving - R/C (YDPU2, YDPU8) or R/C (UZFT2, UZFT8), rated 300 V, 125°C minimum.

Printed Wiring Board - R/C (ZPMV2), rated min. V-1, suitable for Direct Support (UL 796 DSR) and the solder time and temperature used by the manufacturer and having an operating temperature rating, see individual page for details.

Soldered Connections - All are mechanically secured before soldering.

Spacings - Unless otherwise noted in the description, spacing between uninsulated live parts of opposite polarity, and between uninsulated live parts and dead metal parts that can be contacted by persons shall be as tabulated below:

Location Type	Potential, V	Minimum spacing, mm (inch)
Dry or Damp	Up to 300	1.2 (0.046)

MARKINGS:

See the Section General for general marking requirements and format details.

Device markings shall be legibly and permanently marked on the device. Instructions and package markings shall be provided on the smallest unit packaging, point-of-sale package, carton, or instruction sheet.

"Verbatim" indicates that the marking shall consist of only the exact words shown, or a marking including these words and conveying the original intent.

The following markings apply to all Models:

DEVICE MARKINGS		FORMAT
Identification of the company responsible for the product, which may be in a traceable code if device is identified by a brand or trademark owned by a private labeler		S13L1
Catalog number, model number, series number, or other similar designation		S13L1
Date code, per Section General		S13L1
Electrical input rating: " _____ VOLTS _____ AMPS _____ WATTS _____ HERTZ" or " _____ V _____ A _____ W _____ Hz"		S13L1
"SUITABLE FOR DAMP LOCATIONS", "FOR DAMP LOCATIONS" or "RISK OF ELECTRIC SHOCK - DO NOT USE WHERE DIRECTLY EXPOSED TO WATER".	VERBATIM OR SYMBOL	S13L1
"DO NOT USE WITH DIMMERS" or "NOT FOR USE WITH DIMMERS".		S13L1
"NOT FOR USE IN TOTALLY ENCLOSED LUMINAIRES" or "NOT FOR TOTALLY ENCLOSED LUMINAIRES"	TEXT OR SYMBOL	S13L1

INSTRUCTIONS AND PACKAGE MARKINGS		FORMAT
"THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS" or "NOT FOR EMERGENCY LIGHTING"		L2

MODEL 6Vy-A806ST-Q1R - FIG. 1 AND FIG. 2

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/ Model Number	Description / Technical Data	(F) IG (I) LL
1	Lamp Base, E26	-	-	-	Aluminum or copper alloy electroplated with nickel alloy covering all surfaces. Thickness: 0.28 mm thick for aluminum or 0.2 mm thick for copper alloy, 24 mm high from the eyelet contact to the top of the metal screw base. Secured to base cylinder by 12 pinched dimples, evenly apart and approximate 1 mm ID. Eyelet contact insulated from screw shell by glass insulator or plastic insulator, R/C (QMFZ2), rated V-0 (HWI≤4, HAI≤3, CTI≤3), 75°C minimum. See Section General for detailed dimensions.	-
2	Diffuser	QMFZ2	SABIC JAPAN L L C (E207780)	LUX961(L)G(f2)	Rated HB, 115°C, min. 0.75 mm thick. Secured to Enclosure by Adhesive.	I1
3	Enclosure	QMFZ2	CGN TOXXON (XIAMEN) NEW MATERIAL CO LTD (E235103)	PA6400-801 (f1)	Rated V-0, 115°C (CTI=3, HWI=0, HAI=0), min. 0.75 mm thick. Molding with an aluminum enclosure inside, positioned LED Driver inside.	I2
4	Metal plate	-	-	-	Aluminum plate, Min. 1.0 mm thick. Secured with Enclosure by riveting pressure.	I3
5	Adhesive	QOQW2	DOW CORNING CORP (MH25995)	7091 Multi Purpose silicone sealant(#)	Silicone Paste Adhesive, rated -35~105°C maximum. Used for secured with Diffuser and Enclosure.	-
6	Potting Compound	QMFZ2	CHINA BLUESTAR CHENGRAND CHEMICAL CO LTD (E231281)	GMX-8152	Silicone, rated V-0, 105°C. Covering LED Driver completely.	-
-	Alternate	QMFZ2	SHEN ZHEN ANPIN SILICONE MATERIAL CO LTD (E257078)	AP-905W, AP-905G, AP-905B, AP-905R	Silicone, rated V-1, 105°C. Covering LED Driver completely.	-
7	LED Driver	-	-	-	See page 6 & 7 for details.	-
8	LED Module	-	-	-	See page 8 for details.	-

LED DRIVER (MAIN BOARD) OF Model 6Vy-A806ST-Q1R - FIG. 3 AND FIG. 4

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/ Model Number	Description / Technical Data	(F) IG (I) LL
1	Input Wire	AVLV2/ 8	-	-	Two provided, 24 AWG minimum, rated 300 V, 105°C minimum. One end soldered on Printed Wiring Board and the other side secure on Lamp Base.	-
2	Output Terminal	-	-	-	One provided, soldered on Printed Wiring Board. Consisted of below parts.	I4
2.1	Output Terminal Pin	-	-	-	Copper or Copper alloy, 0.5mm thick. Three provided, secured into Output Terminal Holder by physical fit.	-
2.2	Output Terminal Holder	QMFZ2	CELANESE INTERNATIONAL CORP (E83005)	E130i (f1)	Rated V-0, 130°C (CTI=4, HWI=4, HAI=4), min. 0.2 mm thick. Secured with Output Terminal Pins by physical fit.	-
3	Printed Wiring Board (Main Board)	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured into Enclosure integrated slot by physical fit. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 5.	I5
4	Circuit Protection Resistor (FR1)	-	-	-	Rated 10Ω, 1W. Soldered on Printed Wiring Board in series with ungrounded supply. Fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-
5	Electrolytic Capacitor (C3)	-	-	-	Rated 100V, 100uF, 105°C.	-
6	Electrolytic Capacitor (C12)	-	-	-	Rated 400V, 1uF, 105°C.	-
7	Electrolytic Capacitor (C15)	-	-	-	Rated 16V, 330uF, 105°C.	-
8	Varistor (RV1)	VZCA2/ 8	-	-	Rated 270V, 85°C minimum	-
9	IC (U1)	-	-	-	SY5881FAC	-
10	IC (U2)	-	-	-	SY50281AAC	-
11	MOS (Q1)	-	-	-	CS4N60A3HD	-
12	MOS (Q4)	-	-	-	MMBT3904	-
13	Components on PWB	-	-	-	See ILL. 6 for details.	I6

LED DRIVER (Main Board) OF Model 6Vy-A806ST-Q1R - FIG. 3 AND FIG. 4

Wound devices - See below for details:

Component Description	Core	Coil	Bobbin	Dimension (mm)	Coil: Turns x Diameter (mm) or Inductance
Inductor (L1)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 125°C minimum, fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-	6*8	3mH
Inductor (L2)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 125°C minimum, fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-	6*8	1mH
Choke (T1)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 130°C minimum. Insulation Tape - R/C (OANZ2), rated 130°C minimum.	Phenolic, measured minimum 0.71 mm.	11.1*4.8*12 .1	N1 (7--3): 160.5TS *0.22mm N2 (1--2): 85TS*0.13mm

LED DRIVER (WIRELESS MODULE) OF Model 6Vy-A806ST-Q1R - FIG. 5 AND FIG. 6

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F)IG (I)LL
1	Printed Wiring Board (Wireless Module Board)	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured with Printed Wiring Board (Main Board) by soldering. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 7.	I7
2	Components on PWB	-	-	-	See ILL. 8 for details.	I8

LED MODULE OF MODEL 6Vy-A806ST-Q1R - FIG. 7

General - Fig. 7 shows LED module view. The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F) IG (I) LL
1	LED Board	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured to Metal Plate by screws. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 9	I9
2	Terminal of LED Board	ECBT2/ 8	SHENZHENSHI MEIJINXING ENERGY CO LTD (E479301 is ML File for E478616)	MJ08703001- 03	Rated 275V, 1A, 105°C. One provided and soldered on LED Board for Output Terminal Pins connection.	I10
3	LED	-	-	-	10 LEDs provided. Rated 5.8-6.4 V, max. 200 mA. Soldered on LED Board.	-

MODEL 6Vy-A806ST-Q1Z - FIG. 8 AND FIG. 9

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/ Model Number	Description / Technical Data	(F)IG (I)LL
1	Lamp Base, E26	-	-	-	Aluminum or copper alloy electroplated with nickel alloy covering all surfaces. Thickness: 0.28 mm, thick for aluminum or 0.2 mm thick for copper alloy, 24 mm high from the eyelet contact to the top of the metal screw base. Secured to base cylinder by 12 pinched dimples, evenly apart and approximate 1 mm ID. Eyelet contact insulated from screw shell by glass insulator or plastic insulator, R/C (QMFZ2), rated V-0 (HWI≤4, HAI≤3, CTI≤3), 75°C minimum. See Section General for detailed dimensions.	-
2	Diffuser	QMFZ2	SABIC JAPAN L L C (E207780)	LUX961(L)G(f2)	Rated HB, 115°C, min. 0.75 mm thick. Secured to Enclosure by Adhesive.	I11
3	Enclosure	QMFZ2	CGN TOXXON (XIAMEN) NEW MATERIAL CO LTD (E235103)	PA6400-801 (f1)	Rated V-0, 115°C (CTI=3, HWI=0, HAI=0), min. 0.75 mm thick. Molding with an aluminum enclosure inside, and positioned LED Driver inside.	I12
4	Metal Plate	-	-	-	Aluminum plate, min. 1.0 mm thick. Secured with Enclosure by riveting pressure.	I13
5	Adhesive	QOQW2	DOW CORNING CORP (MH25995)	7091 Multi Purpose silicone sealant (#)	Silicone Paste Adhesive, rated -35~105°C maximum. Used for secured with Diffuser and Enclosure.	-
6	Potting Compound	QMFZ2	CHINA BLUESTAR CHENGRAND CHEMICAL CO LTD (E231281)	GMX-8152	Silicone, rated V-0, 105°C. Covering LED Driver completely.	-
-	Alternate	QMFZ2	SHEN ZHEN ANPIN SILICONE MATERIAL CO LTD (E257078)	AP-905W, AP-905G, AP-905B, AP-905R	Silicone, rated V-1, 105°C. Covering LED Driver completely.	-
7	LED Driver	-	-	-	See page 10 & 11 for details.	-
8	LED Module	-	-	-	See page 12 for details.	-

LED DRIVER (MAIN BOARD) OF Model 6Vy-A806ST-Q1Z - FIG. 10 AND FIG. 11

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F) IG (I) LL
1	Input Wire	AVLV2/8	-	-	Two provided, 24 AWG minimum, rated 300 V, 105°C minimum. One end soldered on Printed Wiring Board and the other side secure on Lamp Base	-
2	Output Terminal	-	-	-	One provided, soldered on Printed Wiring Board. Consisted of below parts.	I14
2.1	Output Terminal Pin	-	-	-	Copper or Copper alloy, 0.5mm thick. Three provided, secured to Output Terminal Holder by physical fit.	-
2.2	Output Terminal Holder	QMF22	CELANESE INTERNATIONAL CORP (E83005)	E130i(f1)	Rated V-0, 130°C (CTI=4, HWI=4, HAI=4), min. 0.2 mm thick. Secured with Output Terminal Pins by physical fit.	-
3	Printed Wiring Board (Main Board)	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured into Enclosure integrated slot by physical fit. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 15.	I15
4	Circuit Protection Resistor (FR1)	-	-	-	Rated 10Ω, 1W. Soldered on Printed Wiring Board in series with ungrounded supply. Fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-
5	Electrolytic Capacitor (C3)	-	-	-	Rated 100V, 100uF, 105°C.	-
6	Electrolytic Capacitor (C12)	-	-	-	Rated 400V, 2.2uF, 105°C.	-
7	Electrolytic Capacitor (C15)	-	-	-	Rated 16V, 330uF, 105°C.	-
8	Varistor (RV1)	VZCA2/8	-	-	Rated 270V, 85°C minimum	-
9	IC (U1)	-	-	-	SY5881FAC	
10	IC (U2)	-	-	-	SY50281AAC	
11	Optocoupler (U3)	FPQU2		-	BL817S	
12	MOS (Q1)	-	-	-	CS4N60A3HD	
13	MOS (Q2/Q3)	-	-	-	BL02N10C	
14	MOS (Q4)	-	-	-	MMBT3904	
15	Components on PWB	-	-	-	See ILL. 16 for details.	I16

Wound devices - See below for details:

Component Description	Core	Coil	Bobbin	Dimension (mm)	Coil: Turns x Diameter (mm) or Inductance
Inductor (L1)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 125°C minimum, fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-	6*8	3mH
Inductor (L2)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 125°C minimum, fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-	6*8	1mH
Choke (T1)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 130°C minimum. Insulation Tape - R/C (OANZ2), rated 130°C minimum.	Phenolic, measured minimum 0.71 mm.	11.1*4.8*12 .1	N1 (7--3): 160.5TS *0.22mm N2 (1--2): 85TS*0.13mm

LED DRIVER (WIRELESS MODULE) OF Model 6Vy-A806ST-Q1Z - FIG. 12 AND FIG. 13

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F)IG (I)LL
1	Printed Wiring Board (Wireless Module Board)	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured with Printed Wiring Board (Main Board) by soldering. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 17.	I17
2	Components on PWB	-	-	-	See ILL. 18 for details.	I18

LED MODULE OF MODEL 6Vy-A806ST-Q1Z - FIG. 14

General - Fig. 14 shows LED module view. The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F) IG (I) LL
1	LED Board	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured to Metal Plate by screws. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 19	I19
2	Terminal of LED Board	ECBT2/8	SHENZHEN SHI MEIJINXING ENERGY CO LTD (E479301 is ML File for E478616)	MJ08703001- 03	Rated 275V, 1A, 105°C. One provided and soldered on Printed Wiring Board for Output Terminal Pins connection.	I20
3	LED	-	-	-	20 LEDs provided. Rated 5.8-6.4 V, max. 200 mA. Soldered on LED Board.	-

MODEL 6Vy-A806ST-Q1G - FIG. 15 AND FIG. 16

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/ Model Number	Description / Technical Data	(F)IG (I)LL
1	Lamp Base, E26	-	-	-	Aluminum or copper alloy electroplated with nickel alloy covering all surfaces. Thickness: 0.28 mm, thick for aluminum or 0.2 mm thick for copper alloy, 24 mm high from the eyelet contact to the top of the metal screw base. Secured to base cylinder by 12 pinched dimples, evenly apart and approximate 1 mm ID. Eyelet contact insulated from screw shell by glass insulator or plastic insulator, R/C (QMFZ2), rated V-0 (HWI≤4, HAI≤3, CTI≤3), 90°C minimum. See Section General for detailed dimensions.	-
2	Diffuser	QMFZ2	SABIC JAPAN L L C (E207780)	LUX961(L)G(f2)	Rated HB, 115°C, min. 0.75 mm thick. Secured to Enclosure by Adhesive.	I21
3	Enclosure	QMFZ2	CGN TOXXON (XIAMEN) NEW MATERIAL CO LTD (E235103)	PA6400-801 (f1)	Rated V-0, 115°C(CTI=3, HWI=0, HAI=0), min. 0.75 mm thick. Molding with an aluminum enclosure inside, and positioned LED Drivers inside.	I22
4	Metal Plate	-	-	-	Aluminum plate, min. 1.0 mm thick. Secured with Enclosure by riveting pressure.	I23
5	Adhesive	QOQW2	DOW CORNING CORP(MH25995)	7091 Multi Purpose silicone sealant(#)	Silicone Paste Adhesive, rated -35~105°C maximum. Used for secured with Diffuser and Enclosure.	-
6	Potting Compound	QMFZ2	CHINA BLUESTAR CHENGRAND CHEMICAL CO LTD(E231281)	GMX-8152	Silicone, rated V-0, 105°C. Covering LED Driver completely.	-
-	Alternate	QMFZ2	SHEN ZHEN ANPIN SILICONE MATERIAL CO LTD(E257078)	AP-905W, AP-905G, AP-905B, AP-905R	Silicone, rated V-1, 105°C. Covering LED Driver completely.	-
7	LED Driver	-	-	-	See page 14 & 15 for details.	-
8	LED Module	-	-	-	See page 16 for details.	-

LED DRIVER (MAIN BOARD) OF Model 6Vy-A806ST-Q1G - FIG. 17 and FIG. 18

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/ Model Number	Description / Technical Data	(F) IG (I) LL
1	Input Wire	AVLV2 /8	-	-	Two provided, 24 AWG minimum, rated 300 V, 105°C minimum. One end soldered on Printed Wiring Board and the other side secure on Lamp Base	-
2	Female Terminal (CON1)	-	-	-	One provided, soldered on Printed Wiring Board (Main Board). Consisted of below parts.	I24
2.1	Metal Connector of Female Terminal	-	-	-	Copper or Copper alloy . Secured into Female Terminal Holder by physical fit.	-
2.2	Female Terminal Holder	QMFZ2	KINGFA SCI & TECH CO LTD(E171666)	Vicryst R8(gg) (ccc) (r5)	Rated V-0, 130°C (HWI=4, HAI=0, CTI=3), min. 0.2 mm thick. Secured with Metal Connector of Female Terminals by physical fit.	-
3	Printed Wiring Board (Main Board)	ZPMV2	-	-	See "Construction Details", printed wiring board. Connected with Secondary Board by Female and Male Terminals, and then secured into Enclosure integrated slot by physical fit. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 25.	I25
4	Circuit Protection Resistor (FR1)	-	-	-	Rated 10Ω, 1W. Soldered on Printed Wiring Board in series with ungrounded supply. Fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-
5	Electrolytic Capacitor (CD1)	-	-	-	Rated 25V, 470uF, 105°C.	-
6	Electrolytic Capacitor (CD2)	-	-	-	Rated 25V, 470uF, 105°C.	-
7	Electrolytic Capacitor (CD3)	-	-	-	Rated 16V, 330uF, 105°C.	-
8	Varistor(RV1)	VZCA2 /8	-	-	Rated 470V, 85°C minimum.	-
9	IC (U1)	-	-	-	SY5018FAC	
10	IC (U2)	-	-	-	AP2210N	
11	MOS (Q1)	-	-	-	JCS4N60VC	
12	Components on PWB	-	-	-	See ILL. 26 for details.	I26

LED DRIVER (MAIN BOARD) OF Model 6Vy-A806ST-Q1G - FIG. 17 and FIG. 18

Wound devices - See below for details:

Component Description	Core	Coil	Bobbin	Dimension (mm)	Coil: Turns x Diameter (mm) or Inductance
Inductor (L1)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 125°C minimum, fully covered with electrical tubing, see "CONSTRUCTION DETAILS".	-	6*8	2mH
Choke (T1)	Ferrite core	Enameled copper wire, R/C (OBMW2) or R/C (OBJT2), rated 130°C minimum. Insulation Tape - R/C (OANZ2), rated 130°C minimum.	Phenolic, measured minimum 0.71 mm.	13.5*10.0*13.4	N1(3--2):58*0.20 N2(10--8):15*0.40 N3(8--6):9*0.4 N4(2--1):27*0.18

LED DRIVER (SECONDARY BOARD) OF Model 6Vy-A806ST-Q1G - FIG. 19 and FIG. 20

General - The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F) IG (I) LL
1	Printed Wiring Board (Secondary Board)	ZPMV2	-	-	See "Construction Details", printed wiring board. Connected with Printed Wiring Board (Main Board) by Female and Male Terminals and then secured into Enclosure integrated slot by physical fit. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 27.	I27
2	Output Terminal (COM1)	ECBT2/8	XIAMEN GHGM INDUSTRIAL TRADE CO LTD(E360430)	GP4V-150SFR	Rated 275V, 1A, 125°C. One provided and soldered on Printed Wiring Board.	I28
3	Male Terminal (CON2)	-	-	-	One provided, soldered on Printed Wiring Board (Secondary Board). Consisted of below parts.	I29
3.1	Male Terminal Pin	-	-	-	Copper or Copper alloy, 0.5mm thick. Four provided and secured into Male Terminal Holder by physical fit.	
3.2	Male Terminal Holder	QMFZ2	KINGFA SCI & TECH CO LTD(E171666)	Vicryst R8(gg)(cc)(r5)	Rated V-0, 130°C (HWI=4, HAI=0, CTI=3), min. 0.2 mm thick. Secured with Male Terminal Pins by physical fit.	
4	Insulation Sheet	QMFZ2	JIANGSU YUXING FILM TECHNOLOGY CO LTD(E212271)	6023	Rated V-2, 105°C, min. 0.25 mm thickness. Located between Main Board and Secondary Board and secured with Secondary Board by back adhesive.	I30
5	Components on PWB	-	-	-	See ILL. 31 for details.	I31

LED MODULE OF MODEL 6Vy-A806ST-Q1G - FIG. 21

General - Fig. 19 shows LED module view. The general design, shape and arrangement shall be as illustrated except where variations are specifically described.

No.	Item	CCN	Manufacturer (File Number)	Part/Model Number	Description / Technical Data	(F) IG (I) LL
1	LED Board	ZPMV2	-	-	See "Construction Details", printed wiring board. Secured to Metal Plate by screws. The foil pattern of printed wiring board shall not be changed from that shown in ILL. 32.	I32
2	Terminal of LED Board (COM2)	ECBT2/8	XIAMEN GHGM INDUSTRIAL TRADE CO LTD (E360430)	GL8W008SFR-001	Rated 275V, 1A, 130°C One provided and soldered on LED Board.	I33
3	LED	-	-	-	20 LEDs provided. D1~D6: Rated 1.9~3.4 V, max. 150 mA. Soldered on LED Board. A1~A14: Rated 5.8~6.4 V, max. 200 mA. Soldered on LED Board.	-
4	Resistor (R1)	-	-	-	Rate 100KΩ. One provided, soldered on LED Board.	-
5	Resistors (R2~R5)	-	-	-	Rated 1/4W, 47Ω. Four provided, soldered on LED Board.	-
6	Capacitor (C1)	-	-	-	Rated 50V, 1.0nF. One provided, soldered on LED Board.	-