

File E341351
Project 4789507340

August 4, 2018

REPORT

on

Power Supplies for use with Audio/Video, Information and Communication
Technology Equipment

GLOBTEK (HONG KONG) LTD

KOWLOON HONG KONG

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UL TEST REPORT AND PROCEDURE	
Standard:	UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements)
Certification Type:	Listing
CCN:	QQJQ, QQJQ7 Power Supplies for use in Audio/Video, Information and Communication Technology Equipment)
Complementary Certification CCN	N/A
Product:	ICT/ITE POWER SUPPLY
Model:	GT-46400-WWVV-X.X-T2* WW is the standard output wattage, with a maximum value of "40", VV is the standard rated output voltage designation, with a value of "12" "15" "19" and "24"; -X.X denote the output voltage differentiator, subtracting X.X volts from standard output voltage VV in 0.1V increments, the actual output voltage range is 12-24V, blank is to indicate the no voltage different. The last "*" denote any six character means "0-9", "A-Z", "(", ")", "[]", "-", or blank for marketing purposes.
Rating:	I/P: 100-240Vac, 50-60Hz or 50/60Hz, 1.0A. O/P: See Illustration - 13 for details.
Applicant Name and Address:	GLOBTEK (HONG KONG) LTD UNIT 1402, BENSON TOWER 74 HUNG TO RD KWUN TONG KOWLOON HONG KONG

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

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Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report
 - ii Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report
- C. Listing Mark/Recognized Component Mark Data Page - details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The equipment for Class II, intended for use with Information Technology Equipment (ITE), there electronic components mounted on PWB, and housed in a thermoplastic enclosure by ultrasonic welding.

The plastic enclosure of EUT is secured by ultrasonic.

There are two layout, Type A and B. Type B is identical to type A except removed D8, add secondary choke L1)and re-layout.

Model Differences

All models are similar to each other except equipment mobility, model designation, output rating, and model designation, see Illustration-13 for details.

Test Item Particulars (NOT FOR FIELD REPRESENTATIVE'S USE)

Classification of installation and use by . : ☒ Ordinary person ☐ Instructed person
☐ Skilled person

Supply Connection..... : ☒ pluggable equipment ☒ type A ☐
type B
☐ permanent connection
☒ detachable power supply cord
☐ non-detachable power supply cord
☐ not directly connected to the mains

Equipment mobility..... : ☒ movable ☐ hand-held ☒ transportable
☐ stationary ☐ for building-in ☐
direct plug-in
☐ rack-mounting ☐ wall-mounted

Over voltage category (OVC) : ☐ OVC I ☒ OVC II ☐ OVC III ☐ OVC IV
☐ other: _____

Fundamental Frequency..... : ☒ 50/60 Hz ☐ 50 Hz ☐ 60 Hz ☒ other
50-60 Hz ☐ N/A

Class of equipment : ☐ Class I ☒ Class II ☐ Class III
☐ Not classified
☐ Class II with functional earthing

Access location : ☐ restricted access location ☒ N/A

Pollution degree (PD) : ☐ PD 1 ☒ PD 2 ☐ PD 3

IP protection class : ☒ IP X0 ☐ IP ____

Tested for IT power systems : ☐ Yes ☒ No

IT testing, phase-phase voltage (V) : ☐ ____ ☒ N/A

Altitude during operation (m) : ☒ Up to 2,000 ☐ Up to 3,000

Altitude of test laboratory (m) : ☒ Less than 2,000 ☐ Approximately ____

Mass of equipment (kg) : Max. 0.208 kg

Technical Consideration (NOT FOR FIELD REPRESENTATIVE'S USE)

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 40 degree C
- The means of connection to the mains supply is: Detachable power cord, Pluggable A
- The product is intended for use on the following power systems: TN
- Considered current rating of protective device as part of the building installation (A) : 20
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10%
- The equipment disconnect device is considered to be: Appliance inlet
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual
- LEDs provided in the product are considered low power devices: Yes

Engineering Conditions of Acceptability (NOT FOR FIELD REPRESENTATIVE'S USE)


N/A

Additional Information

N/A

Additional Standard

The product fulfils the requirements of: N/A

Markings, instructions and instructional safeguards						
Clause Title		Marking or Instruction Details				
Equipment identification marking - Manufacturer identification		Listee's or Recognized company's name, Trade Name, Trademark or File Number.				
Equipment identification marking - model identification		Model Number				
Equipment rating marking -ratings		Input Ratings (voltage, frequency, current) Output Ratings (voltage, dc, current)				
Fuses - replaceable by skilled person (component ID:F1)		F1, T2A, 250V located on or adjacent to fuse or fuseholder.				
Power rating - Class II symbol		Symbol for Class II construction  (60417-2-IEC-5172)				
Special Instructions to UL Representative						
For transformer test - When the tests are conducted at other location, inspect test record and specification sheet provided by the component manufacturer. Verify the specification sheet indicates 100% routine test specified in Production-Line Testing Requirements be conducted at the component manufacturer.						
Production-Line Testing Requirements						
<u>Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.</u>						
Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
All models	T1	N/A	Primary to Secondary	3000	4242	1
All models	EUT	N/A	Primary to Secondary	3000	4242	1
<u>Earthing Continuity Test Exemptions - This test is not required for the following models:</u>						
All models						
<u>Electric Strength Test Exemptions - This test is not required for the following models:</u>						
--						
<u>Electric Strength Test Component Exemptions - The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test:</u>						
N/A						
<u>Sample and Test Specifics for Follow-Up Tests at UL</u>						
Model	Component	Material	Test	Sample(s)	Test Specifics	
N/A	--	--	--	--	--	

4.1.2	TABLE: list of critical components					Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
01. Enclosure	SABIC INNOVATIVE PLASTICS US L L C	915R(GG)	Two pieces construction, secured together by ultrasonic welding, rated V-0 or better, 120 degree C min. Minimum 2.0 mm thickness. See Illustion-1 for dimensions	QMFZ2	UL	
01a. Enclosure	SABIC JAPAN L L C	945 (GG)	Two pieces construction, secured together by ultrasonic welding, rated V-0 or better, 120 degree C min. Minimum 2.0 mm thickness. See Illustion-1 for dimensions	QMFZ2	UL	
01b. Enclosure	LG CHEM (GUANGZHOU) ENGINEERING PLASTICS CO LTD	LUPOY EF-1006F(m)	Two pieces construction, secured together by ultrasonic welding, rated V-0 or better, 115 degree C min. Minimum 2.0 mm thickness. See Illustion-1 for dimensions	QMFZ2	UL	
01c. Enclosure	COVESTRO DEUTSCHLAND AG [PC RESINS]	FR6005 + (z)	Two pieces construction, secured together by ultrasonic welding, rated V-0 or better, 105 degree C	QMFZ2	UL	

			min. Minimum 2.0 mm thickness. See Illustion-1 for dimensions			
01d. Enclosure	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	PC2330	Two pieces construction, secured together by ultrasonic welding, rated V-0 or better, 115 degree C min. Minimum 2.0 mm thickness. See Illustion-1 for dimensions	QMFZ2	UL	
02. Appliance Inlet	TECX-UNIONS TECHNOLOGY CORP	SO-222	Rated 250 V, 2.5 A, 105 degree C min. (C8 type)	AXUT2	UL	
02a. Appliance Inlet (alternate)	SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD	S-01	Rated 250 V, 2.5 A, 75 degree C min. (C8 type)	AXUT2	UL	
02b. Appliance Inlet (alternate)	ZHEJIANG LECI ELECTRONICS CO LTD	DB-8	Rated 250 V, 2.5 A, 75 degree C min. (C8 type)	AXUT2	UL	
02c. Appliance Inlet (alternate)	ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A03-005, ST-A03-002, ST-A03-004	Rated 250 V, 2.5 A, 75 degree C min. (C8 type)	AXUT2	UL	
03. Fuse (F1)	Various	Various	Listed, T2A, 250Vac	JDYX	UL	
03a. Fuse (F1) (Alternate)	CONQUER ELECTRONICS CO LTD	MST	Rated T2A, 250Vac.	JDYX2	UL	
03b. Fuse (F1) (Alternate)	EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2010	Rated T2A, 250Vac.	JDYX2	UL	
03c. Fuse (F1) (Alternate)	HOLLYLAND CO LTD	5ET	Rated T2A, 250Vac.	JDYX2	UL	
03d. Fuse (F1) (Alternate)	BEL FUSE INC	RST	Rated T2A, 250Vac.	JDYX2	UL	

03e. Fuse (F1) (Alternate)	COOPER BUSSMANN LLC	SS-5	Rated T2A, 250Vac.	JDYX2	UL	
03f. Fuse (F1) (Alternate)	LITTELFUSE WICKMANN WERKE	392	Rated T2A, 250Vac.	JDYX2	UL	
03g. Fuse (F1) (Alternate)	DONGGUAN BETTER ELECTRONIC TECHNOLOGY CO LTD	932	Rated T2A, 250Vac.	JDYX2	UL	
04. X-Capacitor (CX1) (optional)	Cheng Tung Industrial Co Ltd	CTX	Rated max 0.33 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL	
04a. X-Capacitor (CX1) (optional) (Alternate)	Tenta Electric Industrial Co Ltd	MEX	Rated max 0.33uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL	
04b. X-Capacitor (CX1) (optional) (Alternate)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	Rated max 0.33 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL	
04c. X-Capacitor (CX1) (optional) (Alternate)	CARLI ELECTRONICS CO LTD	MPX	Rated max 0.33uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL	
04d. X-Capacitor (CX1) (optional) (Alternate)	JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX	Rated max 0.33uF, min 250 V, X1 or X2 type, 105 degree C. (Compliance with IEC 60384-14)	FOWX2	UL	
04e. X-Capacitor (CX1) (optional) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	MKP/MPX	Rated max 0.33uF, min 250 V, X1 or X2 type, 110 degree C. (Compliance with IEC	FOWX2	UL	

			60384-14)			
05. Bleeder Resistors (R1, R2)	TZAI YUAN ENTERPRISE CO LTD	HSMD***** , SMD*****	Max. 2M ohms, min. 1/4W	AZOP2	UL	
05a. Bleeder Resistors (R1, R2)	PROSPERITY DIELECTRICS CO LTD	FVS03, TF06V, FVS05, TF08V, FVS06, TF12V, FVS20, TF20V, FSV25, TF25V	Max. 2M ohms, min. 1/4W	AZOT2	UL	
05b. Bleeder Resistors (R1, R2)	Ralec Electronic Corp	RTV05, RTV06, RTV12, RTV20, RTV25 series	Max. 2M ohms, min. 1/4W	--	--	
06. Bridge Diode (BD1)	--	--	Rated 2A, minimum 600 V.	--	--	
07. Storage Capacitor (C1) (For output power 30-40W)	--	--	Rated 400 V, max. 82uF, min. 105 degree C, provided with integral pressure relief	--	--	
07a. Storage Capacitor (C1) (For output power ≤30W)	--	--	Rated 400 V, max. 68uF, min. 105 degree C, provided with integral pressure relief	--	--	
08. Transistor (Q1)	Various	Various	Rated 6-15 A, minimum 600 V.	--	--	
09. Bridge Capacitors (CY1, CY2) (optional)	Success Electronics Co Ltd	SE, SB, SF	CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL	
09a. Bridge Capacitors (CY1, CY2) (optional) (Alternate)	TDK CORPORATION	CD	CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL	

09b. Bridge Capacitors (CY1, CY2) (optional) (Alternate)	Walsin Technology Corp	AH	CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL	
09c. Bridge Capacitors (CY1, CY2) (optional) (Alternate)	JUHONG ELE CO	JB	CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL	
09d. Bridge Capacitors (CY1, CY2) (optional) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YOB, YOF, YOE	CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL	
09e. Bridge Capacitors (CY1, CY2) (optional) (Alternate)	MURATA MFG CO LTD	KX	CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL	
10. Optical Isolator (PC1)	Lite-On Technology Corp	LTV-817	Isolation: 5000 Vac, minimum 100 degree C.	FPQU2	UL	
10a. Optical Isolators (PC1) (Alternate)	Everlight Electronics Co Ltd	EL817	Isolation: 5000 Vac, minimum 110 degree C.	FPQU2	UL	
10b. Optical Isolators (PC1) (Alternate)	COSMO ELECTRONICS CORP	K1010	Isolation voltage minimum 5000 Vac, minimum 115 degree C.	FPQU2	UL	
10c. Optical Isolators (PC1) (Alternate)	BRIGHT LED ELECTRONICS CORP	BPC-817XXXXXX, BPC-817MXXXXXX, BPC-	Isolation voltage minimum 5000 Vac, minimum 100 degree C.	FPQU2	UL	

		817SXXXXXX, where XXXXXX can be any alphanumeric character or blank.				
10d. Optical Isolators (PC1) (Alternate)	RENESAS ELECTRONICS CORPORATION	PS2561-1	Isolation voltage minimum 5000 Vac, minimum 100 degree C.	FPQU2	UL	
10e. Optical Isolators (PC1) (Alternate)	SHENZHEN ORIENT COMPONENTS CO LTD	ORPC-817Mx, ORPC-817Sx, ORPC-817x	Isolation voltage minimum 5000 Vac, minimum 100 degree C.	FPQU2	UL	

11. Line filter (NF1) (Optional)	Various	NF00025	Open type construction. Rated 105 degree C.	--	--	
11a Core	Various	Various	Ferrite, toroidal, measured overall approx. 8mm OD by 4 mm ID by 4 mm wide.	--	--	
11b Coil	Various	Various	Rated minimum 105 degree C.	OBMW2	UL	
12. Line filter (NF2) (Optional)	Various	NF00124	Open type construction. Rated 105 degree C.	--	--	
12a Core	Various	Various	Ferrite, toroidal, measured overall approx. 16mm OD by 12 mm ID by 8 mm wide.	--	--	
12b Coil	Various	Various	Rated minimum 105 degree C.	OBMW2	UL	
13. Varistor (MOV1) (optional)	CENTRA SCIENCE CORP	CNR 14V511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13a. Varistor (MOV1) (optional) (Alternate)	CENTRA SCIENCE CORP	CNR 10V471K, CNR 14D471K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13b. Varistor (MOV1) (optional) (Alternate)	CENTRA SCIENCE CORP	CNR 14D511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13c. Varistor (MOV1) (optional) (Alternate)	JOYIN CO LTD	10N511K, 10N471K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13d. Varistor (MOV1) (optional) (Alternate)	JOYIN CO LTD	14N471K, 14N511K, 14S511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13e. Varistor (MOV1) (optional) (Alternate)	THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR 10471K, TVR 10511K, TVR 10471-V	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13f. Varistor (MOV1) (optional) (Alternate)	THINKING ELECTRONIC INDUSTRIAL CO	TVR 14471K, TVR 14511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	

	LTD					
13g. Varistor (MOV1) (optional) (Alternate)	CERAMATE TECHNICAL CO LTD	GNR 14D471K, GNR 14D511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13h. Varistor (MOV1) (optional) (Alternate)	CERAMATE TECHNICAL CO LTD	GNR10D471K	Rated minimum 300 Vac, minimum 385 Vdc.			
13i. Varistor (MOV1) (optional) (Alternate)	SUCCESS ELECTRONICS CO LTD	SVR10D471K, SVR10D511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
13j. Varistor (MOV1) (optional) (Alternate)	SUCCESS ELECTRONICS CO LTD	SVR14D471K, SVR14D511K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL	
14. Transformer (T1) (for output 12-13.5Vdc)	ENG Electric Co Ltd	XF00928	Class B, See Illustion-5 for construction details.	--	--	
14. Transformer (T1) (for output 13.6-17Vdc)	ENG Electric Co Ltd	XF00942	Class B, See Illustion-6 for construction details.	--	--	
14. Transformer (T1) (for output 17.1-21Vdc)	ENG Electric Co Ltd	XF00943	Class B, See Illustion-7 for construction details.	--	--	
14. Transformer (T1) (for output 21.1-24Vdc)	ENG Electric Co Ltd	XF00944	Class B, See Illustion-8 for construction details.	--	--	
14-01. Insulation system for Transformer (T1)	ENG Electric Co., Ltd.	ENG130-1	Insulation system Class B (130 degree C, adapted form GREAT LEOFLON INDUSTRIAL CO LTD, Type GH-130)	OBJY2	UL	
14-02. Core	--	--	EE type, Ferrite, dimension 8mm OD,	--	--	
14-03. Coil	--	--	130 degree C	OBMW2	UL	
14-04. Bobbin	Chang Chun Plastics Co., Ltd.	T375J	V-0, 150degree C, Phenolic, thickness 0.8mm minimum	QMFZ2	UL	
14-04a. Bobbin	SUMITOMO	PM-9820	V-0, 150degree C,	QMFZ2	UL	

(Alternate)	BAKELITE CO LTD		Phenolic, thickness 0.71mm minimum			
14-05. Tubing/Sleeving	Great Holding Industrial Co. Ltd.	TFL, TFS, TFT	Rated 200 degree C, VW- 1, 600V max.	YDPU2	UL	
14-06. Triple Insulated Wire	Great Leoflon Industrial Co. Ltd.	TRW(B)	130 degree C	OBJT2	UL	
14-07. Varnish (Alternate)	Elantas Electrical Insulation Elantas Pdg Inc	V1630FS	Rated minimum 130 degree C.	OBOR2	UL	
14-07a. Varnish (Alternate)	JOHN C DOLPH CO	BC-346A	Rated minimum 130 degree C.	OBOR2	UL	
14-08. Insulation Tape	3M Company	1350F-1, 1350T-1	130 degree C.	OANZ2	UL	
14-08a. Insulation Tape (Alternate)	BONDTEC PACIFIC CO LTD	370S	130 degree C.	OANZ2	UL	
15. Internal Glue Materials	--	--	Rated V-2 minimum.	QMFZ2	UL	
16. Internal Plastic Part Materials	--	--	Rated minimum V-2.	QMFZ2	UL	
17. Strain Relief Of Output Cord	Various	Various	Refer to Illustion-2 for strain relief dimension details.	QMFZ2	UL	
18. PWB	Various	Various	V-0 or better, minimum 130 degree C.	ZPMV2	--	
19. Label (optional)	Various	Various	Minimum 70 degree C. if maximum surface temperature not specified.	PGDQ2, PGJI2	UL	
20. Output cord	Various	Various	Minimum 300 V, 80 degree C, maximum 3.05 m, marked VW-1 or FT-1. Suitable for external	AVLV2	UL	

			use.			
21. Heat Sink (HS1) (Consideration as Primary)	Various	Various	Aluminum, minimum 2.0 mm thick. See Enclosure for detailed dimensions.	--	--	
22. Heat Sink (HS2) (Consideration as secondary)	Various	Various	Aluminum, minimum 1.0 mm thick. See Enclosure for detailed dimensions.	--	--	
23. LPS resistor (R10) (For output power 30-40W, the voltage except 15V)	--	--	0.56 ohm, 2W.	--	--	
23. LPS resistor (R10) (For output power 30-40W, the voltage 15V)	--	--	0.51 ohm, 2W.	--	--	
23. LPS resistor (R10) (for output power $\leq 30W$, the output 12V)	--	--	0.51-0.62 ohm, 2W.	--	--	
23. LPS resistor (R10) (for output power $\leq 30W$, the output 12.1-13.5V)	--	--	0.62 ohm, 2W.	--	--	
23. LPS resistor (R10) (for output power $\leq 30W$, the output 13.6-17V)	--	--	0.68ohm, 2W.	--	--	
24. LPS resistor (R10) (for output power $\leq 30W$, the output 17.1-24V)	--	--	0.75 ohm, 2W.	--	--	
23. LED barrier (optional)	Sabic Innovative Plastics US L L C	945 (GG)	Min. V=0, min. 1.0 mm thickness, 120°C	QMFZ2	UL	

ENCLOSURES

<u>Type</u>	<u>Supplement ID</u>	<u>Description</u>
Figures	Figure - 1	Overall View - 1
	Figure - 2	Overall View - 2
	Figure - 3	Internal View - 1 (PWB Type A)
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	Illustration - 3	Heatsink HS1 drawing
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