

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

#### REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
1 B	Update packaging Update Ukraine No.	rchiu	11/13/2017	QA
Α	Initial Release	jwarn	05/02/2017	QA

In Addition to GlobTek Inc.'s renewed ISO9001:2008 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2003 - Medical Devices Quality Management System Certification

ISO14001:2004 - Environmental Management System Certification

ISO Certificates are available online at http://www.globtek.com/iso-certificates/

# **Customer Approval of Specification:**

Please approve, sign and send back to GlobTek so we can complete order processing.

A delay in receipt of this form will delay delivery schedule.

Company Name:

Customer P/N:

Quote Number:

Date:

Authorized Representative Name:

Authorized Representative Signature:

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek terms and conditions, which supersede all other agreements, terms, and conditions (http://en.globtek.com/terms-and-conditions/).

GlobTek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

#### Limitation of Use:

GlobTek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of GlobTek Inc.

Contents of this document are subject to change without prior notice.

GT-46600-6024-T2, 60W, 24V@2.5A, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

#### POWER SUPPLY INFORMATION

TYPE: Desktop/External

TECHNOLOGY: Regulated Switchmode AC-DC Power Supply AC Adaptor

CASE COLOR: GlobTek Black

NAMEPLATE RATED

100-240V~, 50-60 Hz, 1.5A INPUT:

INPUT CONFIG: IEC 60320/C8

WATTS: 60.0 VOLTS OUT: 24 CURRENT OUT (Amps): 2.5 BLADE/CORD INCLUDED: N/A: BLADE/CORD INSTALLED: N/A:

**GROUNDING** 

(F1) Class II / Double Insulated CONFIGURATION

EFFICIENCY LEVEL:

**OUTPUT** 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal,

CONFIGURATION Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881

CONNECTOR PIN OUT: Center Positive (+V) LABEL SPECS: Standard GT,L-1186 PACK SPEC: PACKING FOR GT-46600

Notes/Modifications/Customizations (notes in this section supersede the values shown in the standard spec):

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

#### **ELECTRICAL SPECIFICATIONS**

#### A) ELECTRICAL SPECIFICATIONS:

- 01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240 Vac
- 02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
- 03. Input Rated Current: 1.5A RMS Max
- 04. Inrush Current: No damage at 240VAC Cold Start
- 05. Average Efficiency: 88% Min (CEC & DOE LEVEL VI Compliant); 89% Min (ErP Tier2 Compliant)
- 06. Input Power(no load): <0.21W (CEC &DOE Level VI Compliant); <0.15W (ErP Tier2 Compliant)
- 07. Line regulation: ±1%
- 08. Ripple Voltage: 200mV (p-p) (100-240V AC Input). Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uf aluminum electrolytic capacitor and 0.1uf ceramic capacitor.

#### B) PROTECTION

- 01. Over-Voltage: Electronically Protected Zener clamp across the output
- 02. Short Circuit: Electronically Protected unit will auto recover upon removal of fault
- 03. Over Temperature Protection: There shall be no ignition or smoke and deformation of case
- 04. 08. Over voltage protection: for 12V 16V; for 15V 20.25V, for 19V 25.65, for 24V 32.4V

#### C) SAFETY

- 01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
- 02. Touch Current: <0.25mA @ 240Vac input voltage
- 03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

#### D) OTHER:

- 01. MTBF: 200,000 Hours @ 25°C ambient temperature
- 02. Operating Temperature: 0°C to 40°C ambient temperature
- 03. Humidity: 10% to 90% relative humidity
- 04. Storage Temperature: -10°C to 70°C
- 05. Cooling: Convection
- 06. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

#### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

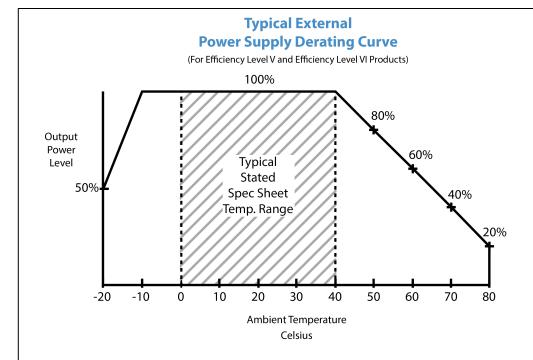
02. Size: 121\*52\*33 +/-1.0 mm 03. Markings: Label and/or Pad Printed and/or Molded in the case E C LED INDICATOR GREEN - "ON" **DERATING CURVE** 

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B



Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

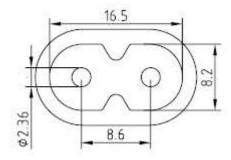
Rev B

#### INPUT CONFIGURATION

Grounding Configuration: Blades/Cord Included: N/A:

Blades/Cord Installed: N/A:

IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8")



# Mates with IEC 60320/C7 Plug

### Standard International IEC 320/C7 Cordsets

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Please contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

## Conductors (No Ground) IEC 320/C7 (Figure "8")

`	,	,		
Part No	Country	End A	End B	Length
4511116F703A(R)	N. American	NEMA 1-15P	IEC 320/C7	1830
5014112M703A(R)	Australian	AS 3112	IEC 320/C7	2000
4533501M8703(R)	China	GB 2099.1	IEC 320/C7	1830
204B4222M703(R)	Brazil	Brazil NBR 6147	IEC 320/C7	2000
2074112M703A(R)	European	CEE 7/16	IEC 320/C7	2000
451J3401M8703(R)	Japan	JIS 8303	IEC 320/C7	1830
2044112M703A(R)	Korea	KS C 8305	IEC 320/C7	2000
4033401M8703A(R)	Taiwan	CNS 10917	IEC 320/C7	1800
6104112M703A(R)	UK	BS1363	IEC 320/C7	2000

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

**OUTPUT CORD AND CONNECTOR:** C1S/C2881

ACTUAL CONNECTORS, OVERMOLDS, FERRITES MAY VARY SLIGHTLY FROM THE PICTURE BELOW

CABLE TYPE UL 2468 CABLE LENGTH (mm) 1530 CABLE TOLERANCE (mm) ±100 WIRE GAUGE (AWG) 18 **CONDUCTORS** 2 HANK DIMENSION (mm) 95 ± 10

CABLE / CONNECTOR OVERMOLD COLOR GlobTek Black

FERRITE TYPE / DIMENSION Core Size: 14.2\*28.5\*8.2 FERRITE # OF TURNS (Definition) 2 Pass thru core (1 turns)

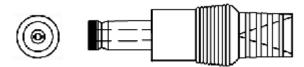
FERRITE DIMENSION FROM STRAIN RELIEF 50 +/-10 FERRITE DIMENSION FROM PLUG

**PLUG TYPE** Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal

**OVER MOLD ORIENTATION** Straight

CONNECTOR PIN OUT: Center Positive (+V)

ADDITIONAL REQUIREMENTS



ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT http://www.globtek.com/connectors/ STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT http://www.globtek.com/connectors/

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

#### LABEL:L-1186

Standard GT LABEL P/N:

MATERIAL: Flat Thermal Transfer, Imprintable, Polyester Label and/or Pad Printed and/or Molded, and/or Laser Engraved in the case

**BACKGROUND** 

COLOR:

Black if housing is Black, White or Silver if housing is White or Gray.

TEXT COLOR:

White or Silver if label is Black Background for Black housing. Black if label is White or Silver background and Housing is

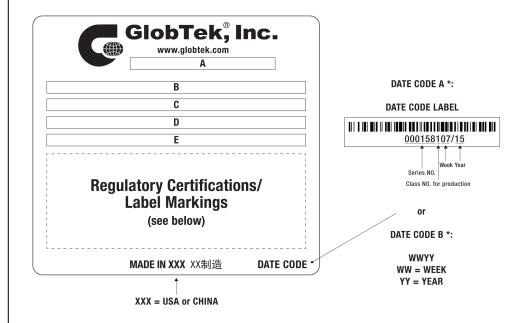
White or Gray

LABEL WIDTH (mm): LABEL HEIGHT (mm): 77.3

Below is the minimum information which will appear on the label. NOTE: in the logo area additional/actual positioning of symbols and text is subjected to change as per agency updates/requirements or additional model approvals become available.

Regulatory certifications/label markings may be in logo area on the label or molded into the case housing outside the label area.

Information will be shown via label and/or pad printed and/or molded and/or laser engraved in the case. \* Date code markings at GlobTek option.



A=ITE Power Supply

B=P/N: (料号) TR9KI2500CCP-N(R6B) C=Model (型号) GT-46600-6024-T2 D=Input (输入) 100-240V~, 50-60 Hz, 1.5A E=Output (输出)24 V == 2.5 A ,60.0W

http://www.globtek.info/certs/GT-46600-60VV-X.X/ AGENCY ONLINE DOCUMENTS

CE EC-Declaration for Medical Contact GlobTek for more information

CE EC-Declaration for Industrial/Commercial/ITE http://www.globtek.com/pdf/ec\_declaration/a0Oa000000MikA1EAJ

RoHS/RoHS2 Declaration http://www.globtek.com/pdf/rohs\_cert/01ta0000007dRGNAA2

http://www.globtek.com/pdf/iso\_certificates/REACH.pdf **REACH Declaration** 

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

**Conflict Minerals Declaration** 

http://www.globtek.com/pdf/conflict-minerals.pdf

IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.

# Regulatory Certifications/Label Markings

LATEST PRODUCT/MODEL CERTIFICATIONS: http://en.globtek.com/datasheet/id/a0Oa000000MikA1 http://www.globtek.info/certs/GT-46600-60VV-X.X/ AGENCY ONLINE DOCUMENTS:

Center Positive (+V)

Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

#### **PACKAGING**

Packing Spec P/N: PACKING FOR GT-46600

Box Qty: 45

Gift Box Size (mm): Egg Crate
Gift Box Color: None

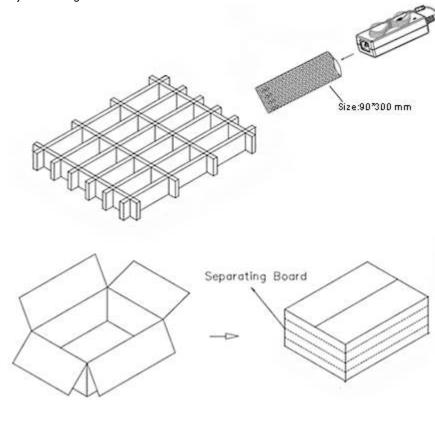
Master Carton Size (mm): 483\*375\*212

Master GW (Kg): 15.6 kg

BLADES INCLUDED: N/A:

BLADE/CORD N/A: N/A:

If specific packaging is required, this section must specify all requirements and note "no exceptions". If this section does not specify packaging, it is subject to change without notice at GlobTek's discretion



Drawing Title: GT-46600-6024-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 60W, 24V@2.5A, Output Configuration: 1530 mm, 18/2 Cond, UL 2468, Female Barrel 5.5\*2.1\*11mm WITH internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C2881, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: 230V CoC Tier 2 Saudi CB EAC FCC cUL CE CE China RoHS Double Insulation Level VI LPS PSE RoHS Ukraine VCCI WEEE CCC PSE SGS (Brazil)

Model No. GT-46600-6024-T2

Part No./Ordering No. TR9KI2500CCP-N(R6B)

Rev B

INSTRUCTION SHEET						
N/A						