

Delivering leading edge, innovative power solutions for more than 30 years....

Model:GTM41076-06VV-Q (EOL due to 260-00620001(R) IC FSQ110 DIP-8 FAIRCHILD)

April 29, 2024

## GTM41076-06VV-Q (EOL due to 260-00620001(R) IC FSQ110 DIP-8 FAIRCHILD)

### Information

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                  | GTM41076-06VV-Q (EOL due to 260-00620001(R) IC FSQ110 DIP-8 FAIRCHILD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description                   | GTM41076-06VV-Q (EOL due to 260-00620001(R) IC FSQ110 DIP-8 FAIRCHILD), Medical Power Supply/Class 2 Power Supply, 60601-1-4th Ed. , Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 6 Watts, Power rating with convection cooling (W) , 5-30V in 0.1V increments, Approvals: EAC; cUR; Taiwan BSMI; UKCA; SIQ; Ukraine; VCCI; RoHS; China RoHS; CB 60601-1; NrCAN; IP40; Level V; India BIS; RCM; PSE; CCC; WEEE; Double Insulation; CE; CE; |
| Model Picture                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Agency Documents              | <a href="http://www.globtek.info/certs/GTM41076/">http://www.globtek.info/certs/GTM41076/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZrEAK">https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZrEAK</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZrEAK">https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZrEAK</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| REACH Declaration             | <a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Conflict Minerals Declaration | <a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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**MODEL PARAMETERS**

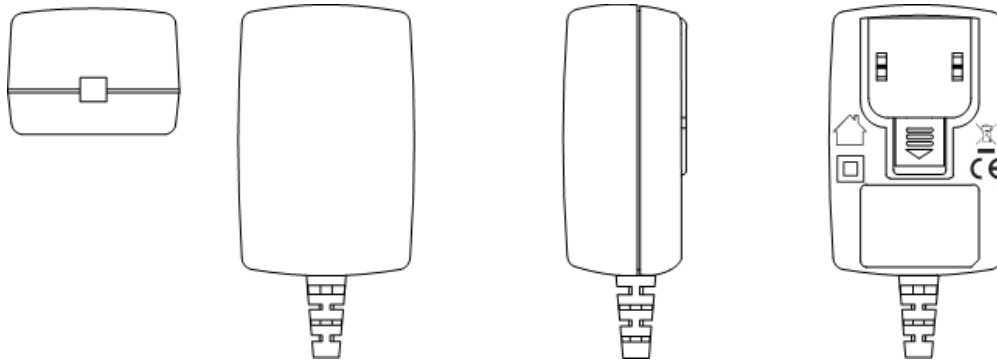
|                    |                                                    |
|--------------------|----------------------------------------------------|
| Type               | Wall Plug-in                                       |
| Technology         | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category           | Medical Power Supply/Class 2 Power Supply          |
| Input Voltage      | 100-240V~, 50-60 Hz                                |
| I/P Amps (A)       | 0.16-0.1A                                          |
| Wattage (W)        | 6.0                                                |
| Vout Range (V)     | 5-30                                               |
| Efficiency Level   | IV                                                 |
| Ingress Protection | IP52                                               |
| Size (mm)          | 74*44*34                                           |

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## ENCLOSURE



LED INDICATOR: LED INDICATOR AVAILABLE UPON REQUEST. GREEN INDICATES POWER PRESENT.

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## RATING TABLE

| Model Number      | Voltage | Amps(A) | Watts(W) | RFQ                 |
|-------------------|---------|---------|----------|---------------------|
| GTM41076-0605     | 5 V     | 1.2     | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0606-0.9 | 5.1 V   | 1.176   | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0606     | 6 V     | 1       | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0607     | 7 V     | 0.85    | 5.95     | <a href="#">RFQ</a> |
| GTM41076-0612     | 12 V    | 0.5     | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0615     | 15 V    | 0.4     | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0618     | 18 V    | 0.33    | 5.94     | <a href="#">RFQ</a> |
| GTM41076-0620     | 20 V    | 0.3     | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0624     | 24 V    | 0.25    | 6.00     | <a href="#">RFQ</a> |
| GTM41076-0630     | 30 V    | 0.16    | 4.80     | <a href="#">RFQ</a> |

## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Regulation: +/- 5% measured at the output connector
4. Line Voltage Regulation: +/- 1% typical measures at full load
5. Output Ripple (Vp-p): 1% or 150 mV whichever is greater measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 uS typical recovery time for 25% step load
7. Turn-On Delay: 3000 mS second typical
8. Hold-Up Time: 8mS typical @ nominal input voltage & full load
9. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
10. Switching Frequency: 66.5 KHz typical

### B) PROTECTIONS

1. Over-Voltage: Electronically protected, unit will recover upon removal of fault
2. Short-Circuit: Electronically protected, unit will recover upon removal of fault
3. Over-Current: Electronically protected, 300% of nameplate current (max.), unit will recover upon removal of fault
4. Input Protection: Input line fusing

### C) SAFETY

1. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
2. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)

### D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
  2. Operating Temperature: 0°C to 40°C ambient temperature
  3. Humidity: 0% to 95% relative humidity
  4. Storage Temperature: -40°C to 80°C
- Normal performance after 2h recovery time at the room temperature without connection to mains
5. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

### E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 43.5\*74.0\*35.3 mm +/-1.0

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## DERATING CURVE

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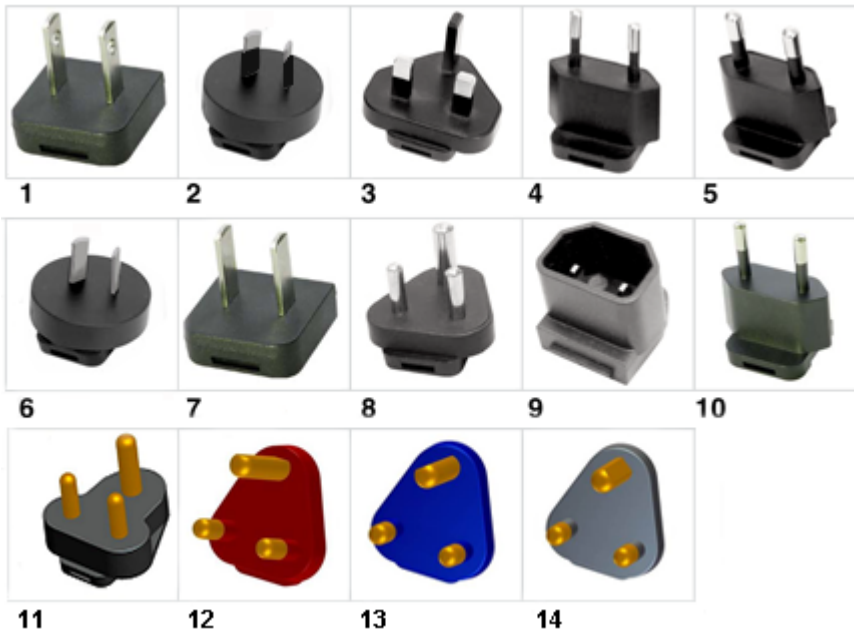
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## INPUT CONFIGURATION

Description Blade Options for Q Series Wall Plug-in Power Supplies

Data Sheet: <http://en.globtek.com/interchangeable-blades.php>

Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>

Video: [Q-Blade Style Instruction Video](#)


INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

01. United States / Canada / Japan NEMA 1-15P/ IEC PLUG Type A [WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade/ IEC TYPE I, Class II; AU P/N: Q-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground/ IEC TYPE G, Class II; GB P/N: Q-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins/ IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N: Q-CN(R)
08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
09. IEC60320/C18 Inlet, Class II; P/N: Q-C18(R)
10. Brazilian NBR6147 configuration: 2 pins, Class II;SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
11. South Africa SABS164-1 and India IS 1293, IS694, 16A type plug, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0°, Class II + dummy ground, IEC TYPE M Red, P/N: Q-SANS164-4C-16A(R)

## PROPRIETARY INFORMATION

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<https://www.globtek.com/ds/c5LAsShaQ3F/KRg2dtAcwRK.html>

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13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,  
P/N:

Q-SANS164-4L-16A(R)

14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53°, Class II + dummy ground, Black,IEC TYPE M  
P/N:

Q-SANS164-4R-16A(R)

#### Kits

01. Q-KIT: 1,2,3,4 above

02. Q-KIT-INTL: 2,3,4 above

03. Q-KIT-6: 1,2,3,4,5,6 above

04. Q-KIT-7: 1,2,3,4,5,6,7 above

05. Q-KIT-8: 1,2,3,4,5,6,7,8 above



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## OUTPUT CONFIGURATION

Common output connector options:



L Type (Coaxial  
5.5x2.5mm plug)



C Type (Coaxial  
5.5x2.1mm plug)



K Type (Coaxial  
3.5x1.3mm plug)



LL Type (5.5x2.5mm  
Locking 760k type)



CL Type (5.5x2.1mm  
Locking S761k type)



ML2 Type (Molex  
housing 43025-0200)



YL3 Type  
(KPPX-3P)



YL4 Type (KPPX-4P)



EJ1/2/3/4/5 (EIAJ  
RC-5320A type  
connectors)



MSB Type (Micro  
USB)



USBC Type (USB  
Type C)



Inquire for custom  
design

For a comprehensive list of options, [click here](#)

Contact GlobTek for your specific requirements or custom solutions.

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## Approvals

| Logo                                                                                                     | Description                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>R32282<br>RoHS      | Taiwan BSMI GTM41076 R32282 7V, 12V,,24V<br><a href="http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816&amp;mp=2">http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816&amp;mp=2</a>                                       |
|                         | Caution/Attention                                                                                                                                                                                                                     |
| No Logo Applicable                                                                                       | CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60 Edition including 2MOOP requirements                                                                                                                       |
| <br>仅适用于海拔2000M以下地区使用 | CCC to GB4943.1-2011, Tropical <2000                                                                                                                                                                                                  |
|                       | CE Certification Class II<br>CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, E including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4- EMI: Complies with EN55011 CLASS B and FCC Part 15 B |
|                       | Test standard:<br>EN 60601-1-2: 2015                                                                                                                                                                                                  |
|                       | CHINA SJ/T 11364-2014, China RoHS Chart:<br><a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declar">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declar</a>                                 |
|                       | ANSI/AAMI ES60601-1: A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, CSA NO. 60601-1:14                                                                                                                                                 |
|                       |                                                                                                                                                                                                                                       |
|                       | Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kaza                                                                                                                                                           |

PROPRIETARY INFORMATION

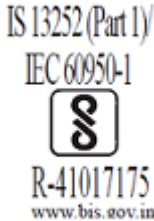
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|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | <p>Bureau Of Indian Standards for GTM41076-0605(5V only)</p>                                                                                                                                                                                           |
|                                   | <p>Indoor Use Only - Mark is on the label or Molded in the case</p>                                                                                                                                                                                    |
| <p>IP40</p>                                                                                                        | <p>Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies</p>                                                                                                                                                           |
|                                  | <p>JAPAN TUV R-PSE, Cert. No. JD 50471624, to J62368-1(H30) , J55032(H29),J3 less]. Please reference the following website for guidelines on PSE regulations: <a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a></p>    |
| <p><b>EFFICIENCY LEVEL</b> </p> | <p>Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), CE (Europe)</p>                                                                 |
|                                 | <p>Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN E <a href="http://shop.csa.ca/en/canada/energy-efficiency/canicsa-c3811-08/inv/270248020">http://shop.csa.ca/en/canada/energy-efficiency/canicsa-c3811-08/inv/270248020</a></p> |
|                                 | <p>Australia and New Zealand Regulatory Compliance, Mark ( <a href="http://rcmstandards.org.au/rcmfaq/rcmfaq.htm">http://rcmstandards.org.au/rcmfaq/rcmfaq.htm</a></p>                                                                                 |
| <p>RoHS</p>                                                                                                        | <p>Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015 <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a></p>                                                                      |
|                                 | <p>IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint)</p>                                                                                                                                         |
|                                 | <p>UKCA Certification</p>                                                                                                                                                                                                                              |

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|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>10276 | Ukraine UKRSepto (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukrai">www.globtek.com/html/iso_certificates/GT_Ukrai</a> )                                  |
|           | Japan: Voluntary Control Council for Interference (VCCI)                                                                                                                          |
|           | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/w">http://ec.europa.eu/environment/waste/w</a> )<br>Mark is on the label or Molded in the case |