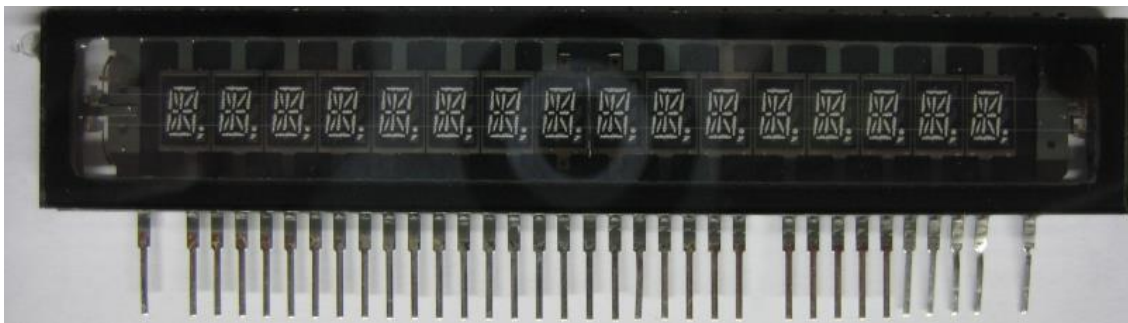


Futaba 16-SY-03Z



Disclaimer

This documentation based on try & error and should never be treated as official documentation. There is no guarantee that information listed in this document is complete and there is no warranty about correctness of the information. The documentation is distributed as it is, no warranty implied or otherwise is given. The author is not liable for any loss or damage of data or hardware and other things caused by use of this documentation.

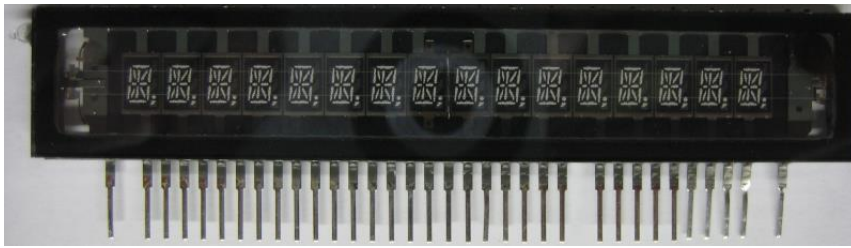
If there are any errors or more commands/information for this display, feel free to inform me and I will update this documentation. Please note that this documentation can be used for free but is **not** released as public domain.

Revision: 1.1 (2016-06-02)

Urheber nach § 7 UrhG/© by Muetze1 (info@muetze1.de)

www.muetze1.de

Picture



Mechanical Properties

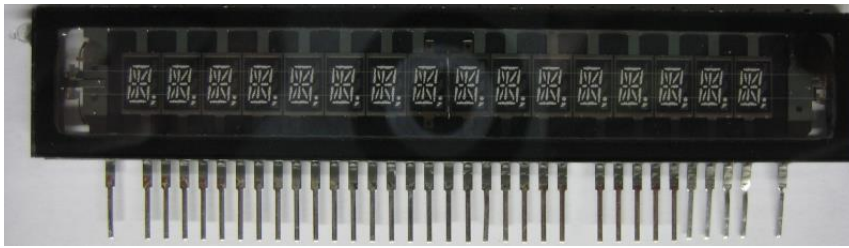
Rows x Columns	1 x 16
Char Set	14 Segment alphanumeric
Special Features	comma & dot on each digit
Character size	3 x 5 mm
Character size (including semicolon)	4 x 5 mm
Module glass size	110 x 20 mm
Module size including pin & evacuation nose	116 x 33 mm (25 mm when bent)

Electrical Properties

All data retrieved from the datasheet of the TDK DC/AC converter CD-1881P/N for this tube.

Filament voltage	5.8 V AC (rms)
Filament current	17.5 mA (typ.)
Grid/Anode voltage	24 V (DC)
Grid/Anode current	5.4 mA
Sum Grid/Anode/Cut-Off voltage	-31 V (DC)
Sum Grid/Anode/Cut-Off current	4 mA

Pinout

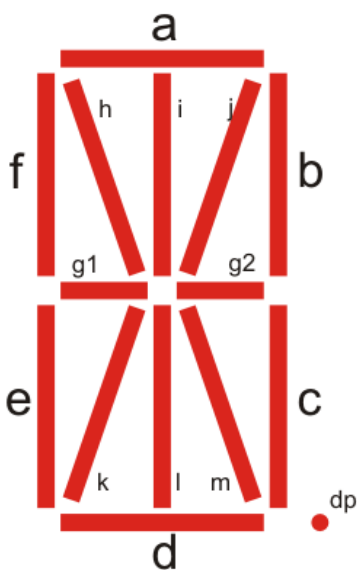


Pin 1

Pin 37

Pin	Signal	Description	Pin	Signal	Description
1	F1	Filament	20	G9	Grid digit 9
2	n.p.		21	Sc	Segment c
3	G1	Grid digit 1	22	G10	Grid digit 10
4	Sf	Segment f	23	Sg2	Segment g2
5	G2	Grid digit 2	24	G11	Grid digit 11
6	Sg1	Segment g1	25	Sh	Segment h
7	G3	Grid digit 3	26	n.p.	
8	Se	Segment e	27	G12	Grid digit 12
9	G4	Grid digit 4	28	Si	Segment i
10	Sk	Segment k	29	G13	Grid digit 13
11	G5	Grid digit 5	30	Sj	Segment j
12	comma	(Segment) comma	31	G14	Grid digit 14
13	Sl	Segment l	32	Sb	Segment b
14	G6	Grid digit 6	33	G15	Grid digit 15
15	Sm	Segment m	34	Sa	Segment a
16	G7	Grid digit 7	35	G16	Grid digit 16
17	Sd	Segment d	36	n.p.	
18	G8	Grid digit 8	37	F1	Filament
19	dp	decimal point			

n.p. no pin



Segment counting picture retrieved from Wikipedia, uploaded by Kmattheis (<http://de.wikipedia.org/wiki/Bild:14-segment.png>) [Public domain], via Wikimedia Commons)

Revision history

- | | |
|--------------------------|---|
| Version 1.0 (2016-04-15) | - Initial Revision |
| Version 1.1 (2016-06-02) | - Added note about voltage source
- Extended copyright information about segment numbering image |