

Plasma Panel Display Modules

222 x 7 Graphics Display with Drive Electronics
Up to 37 Characters in Text Mode



FEATURES

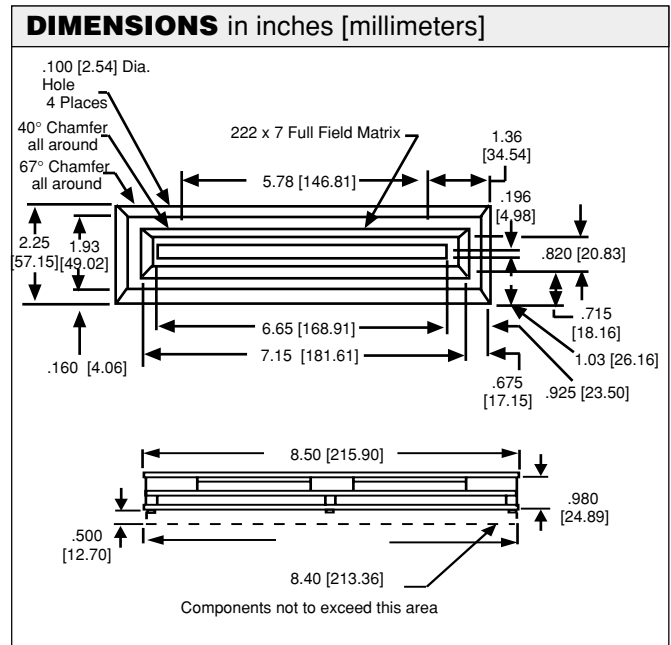
- 32 or 37 alphanumeric characters
(5 x 7 dot matrix) or 222 x 7 graphics format
- Bezel and filter included
- Wide viewing angle (150°)
- Compact size
- Replacement for Burroughs SSD0132-0039

The APD-222G007 consists of a DC plasma display panel, drive electronics and bezel and is designed for a direct replacement of Burroughs type SSD0132-0039 display modules. The display tube has 222 columns and 7 rows, which allows display of any dot matrix information presentable in 222 columns by 7 rows of dots. The display operates by scanning one column at a time (for each clock pulse input). At the end of the 222nd clock period, a reset pulse must be applied to reset the display and start a new scan at column 1. The scanning is done at 70 - 80 Hz so the display characters do not flicker. Dot matrix information is presented to the 7 data input lines column by column. To display information in any specified column, clock pulses must be counted starting with the first clock pulse after reset. Each clock pulse equals one column "on" time; thus, the number of clock pulses equals the column which is being scanned. A logical 0 at any data input lights a pixel. The data inputs must be held in the logic 1 state for 15 microseconds after each negative clock transition and during the entire reset period. Input data must be present for the entire "on" time of the displayed column.

OPTICAL SPECIFICATIONS

- Viewing Area:** 6.65" [168.91mm] W x .196" [4.98mm] H.
Pixel Size: .019" [.483mm] W x .016" [.406mm] H.
Pixel Pitch: .030" [.762mm].
Luminance: 60 foot lamberts.

STANDARD ELECTRICAL SPECIFICATIONS				
	MIN.	TYP.	MAX.	UNITS
Logic Supply Voltage	+ 4.75	+ 5.0	+ 5.25	V
Logic Supply Current	—	—	230	mA
Panel Supply Voltage	237.5	250.0	262.5	V
Panel Supply Current	—	—	35	mA
Logic One Voltage	2.0	—	—	V
Logic Zero Voltage	—	—	0.8	V
Logic Zero Input Current	—	—	- 17.2	mA



ORDERING INFORMATION

DESCRIPTION

DESCRIPTION	PART NUMBER
Display, Drive Electronics and Bezel	APD-222G007
Mating Connector	280498-01



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.