

## 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**

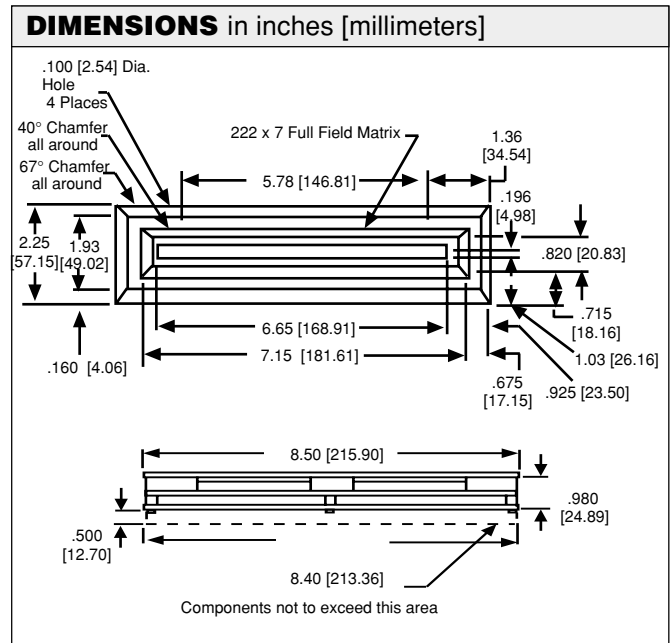
**Viewing Area:** 6.65" [168.91mm] W x .196" [4.98mm] H.

**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