


AZXY5 strip

General Description

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This family of display products utilizes Flip-Disk Technology. Strips are available in two sizes (2.7" and 4.1") as a set of 7 points. The light reflective dot material is available in red and fluorescent color materials including yellow (shown). The reverse side of the disk is usually black but it may be any of the colors.

APPLICATIONS

The strips made in this technology have proven themselves over the years to be unmatched for



visibility, reliability, and low cost performance.

Strips are ideal for OEM applications wherein the customer wishes to build their own display boards or panels.

These larger arrays are

suited to the assembly of either character matrix, line matrix or full matrix signs such as this large outdoor full motion monochrome VGA display.

operating costs.

- The disk is the only moving part and is rated at 100 million operations.



FEATURES

- The fluorescent yellow disk (as shown in the photo) has excellent resistance to "UV fading" in sunlight thus it is the best color choice for outdoor sign applications
- For variable message signs, the magnetic memory retains the indicator's status through shock, vibration or power failure.
- Minimal power consumption means low

- These strips are extremely rugged and ideal for use in applications over a wide range of environmental conditions.



Specifications

Environmental

Temperature:

Operating; -40 to 80 °C

Storage: -45 to 85 °C

Relative Humidity:

5 to 95% non-condensing (at 40°C)

Coil

Resistance: $18.2\Omega \pm 10\%$ @ 20°C

Temp. Coefficient: 83°C/W (free air)

Power dissipation: 0,80 W/coil (at +20° C)

Temperature MAX: 95°C

Current Pulse Amplitude MAX: 350mA
(set current limit of driver circuit)

Current pulse data

Voltage across coil

12 Vdc

24 Vdc

Pulse width

1 msec

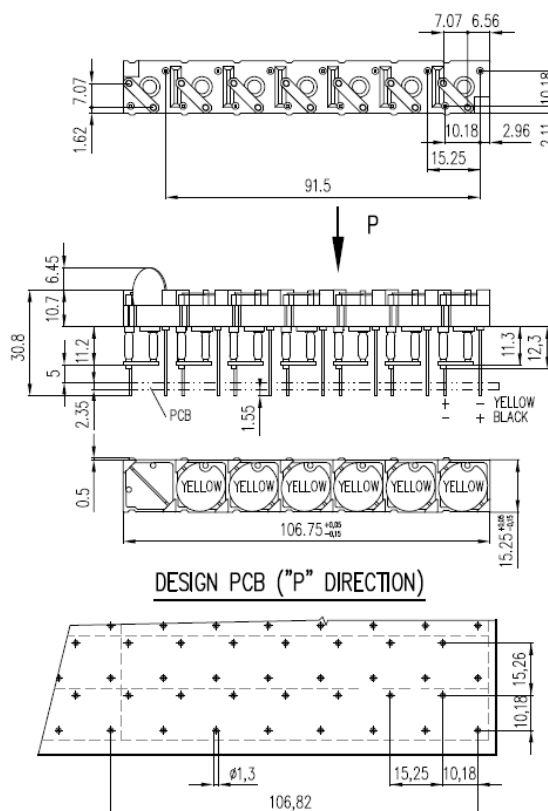
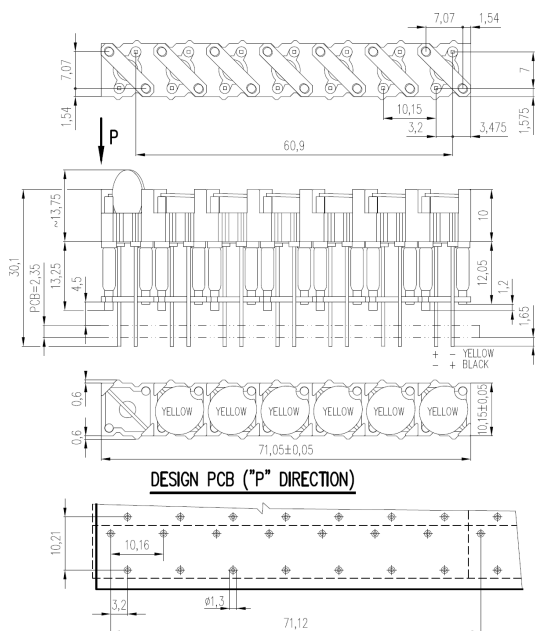
500 μ sec

Driving the same coil repeatedly

Maximum pulse rate at 20°C is about 368 pulses/second. Maximum pulse rate at 70°C is about 102 pulses/second.

Max. repetitive pulse current - 800 mA peak Vdc. Dot mechanical turning time is within 70 msec maximum, average 50 msec.

PWB connection pinout and Outline & Mounting



Strip is a current operated device. Applied Voltage must be sufficient to develop the minimum current requirement. Drive pulse duration specification include current rise time. Coil requirements are specified at strip input terminals.