



397 Route 281
Tully, New York 13159
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com

ACR-0571-2506

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6.845" SINGLE BANK LED RAIL

(Single Bank, 57V @ 130mA)

10/07/2014

GENERAL DESCRIPTION

The ACR-0571-2506 is designed as a replacement for field replaceable, single rail, single edge lit 7.0" LED displays.

The rail requires the use of a constant current source to properly drive the LED's.

The LED rail is compatible with any of ACI's I-Drive series of LED Drivers.

MECHANICAL / ENVIRONMENTAL

Weight = 1 gram

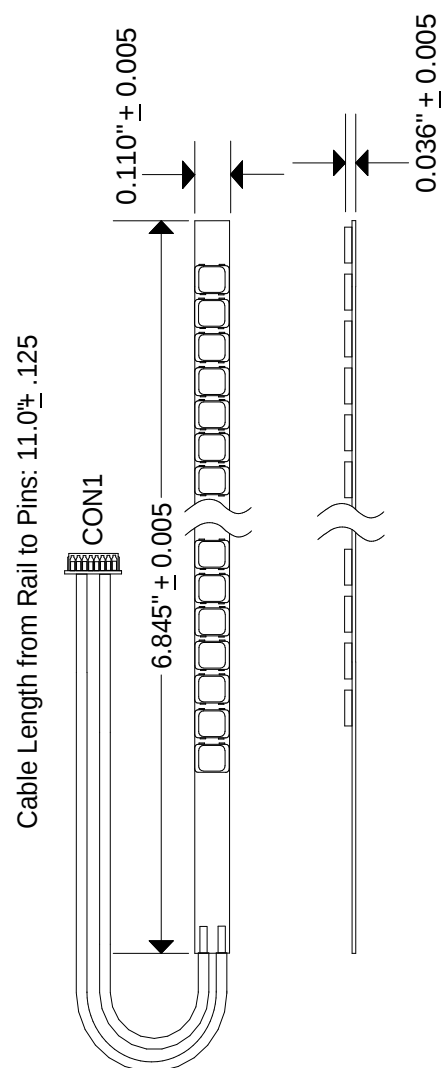
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 6.845 IN x 0.110 IN x .036 IN

Flex Rail thickness = 0.007 IN

RoHS compliant



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MAXIMUM RATINGS

10/07/2014

Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-40 to +100	Deg-C
Tstg	LED Rail storage temperature	-40 to +100	Deg-C
Ifwd	LED forward current	150	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 150mA	18.8	-	20.3	cd
X	White X coordinate			0.325		-
Y	White Y coordinate			0.338		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 130mA (1 Bank per Rail, 1 Rail per Display), Tled = +75Deg-C (LED's with heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		51	57	63	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

