

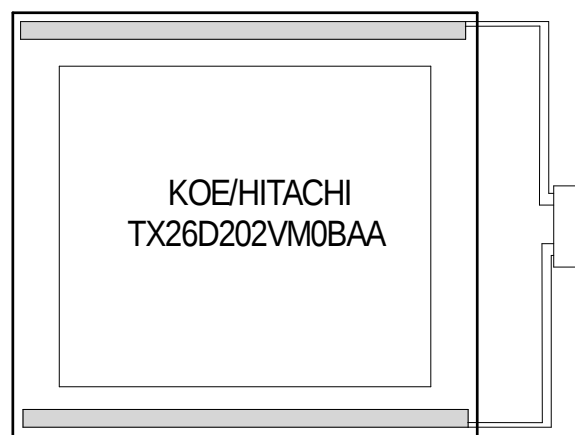
10.1" WUXGA LED BACKLIT TFT DISPLAY

GENERAL DESCRIPTION

The ACD-KE101-3143 consists of the KOE/Hitachi TX26D202VM0BAA 10.1" TFT display modified with a high performance LED backlight.

Performance at given brightness levels

1800 cd/m² with 15.8 watts LED power



LCD PANEL HIGHLIGHTS

10.1" TFT Active Matrix Color

217.44 (W)mm x 135.9 (H)mm viewable area

WUXGA 1920 x 1200 pixels, 16.7 M colors

800:1 typical contrast ratio

Display Mode Normally Black

Physical Size 232.1(W)mm x 153.2(H)mm x 10.9(D)mm

For complete LCD specification (standard panel), refer to the KOE/Hitachi TX26D202VM0BAA datasheet

LED BACKLIGHT FEATURES

White LED edge-light rails

Single Connector allows simple interconnection with LED driver¹

Projected lifetime > 75,000 hours

5000:1 or better dimming ratio¹

¹ For best power transfer and control, use ACI-E120155-3180 Driver

MAXIMUM RATINGS *

Symbol	Parameter	Value	Unit
Top ¹	Operating temperature of display (center of panel surface)	-30 to +80	Deg-C
Tled	Operating temperature of LED edge light (light rail contact)	-30 to + 95	Deg-C
Tstg ¹	Display storage temperature	-30 to +80	Deg-C
Ifwd	LED forward current	93	mA

*Maximum Ratings are those values beyond which damage may occur

1 Per Manufacturer's Specification

PANEL/BACKLIGHT OPTICAL CHARACTERISTICS

Ifwd = 77.5mA per bank, 1 bank per rail, 2 rails per display, LED Rail: ACR-2846 Ta = +25Deg-C, moving air (36.0 CFM)
min 2hr soak

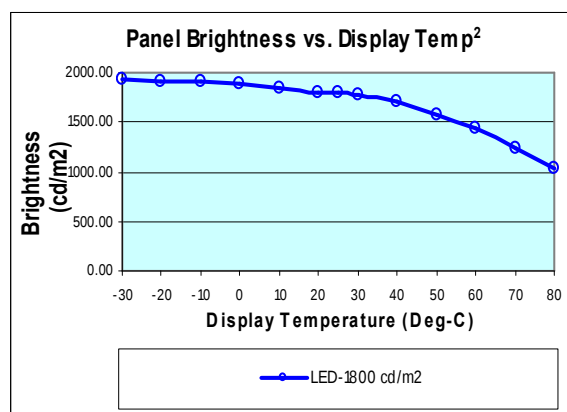
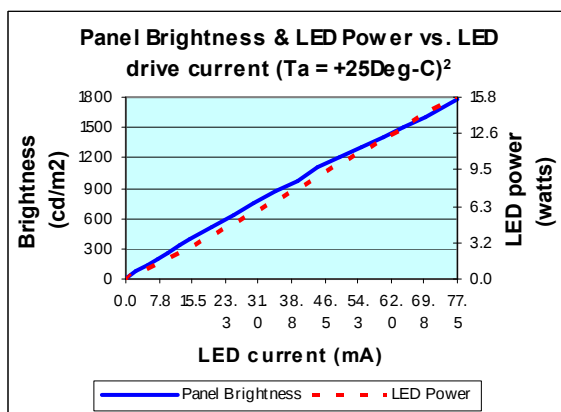
Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Bpd	Panel Brightness		1440	1800		cd/m ²
Xd	White X coordinate			0.352		-
Yd	White Y coordinate			0.395		-

LED EDGE-LIGHT ELECTRICAL CHARACTERISTICS

Ifwd(Day) = 77.5mA, Top = +25Deg-C

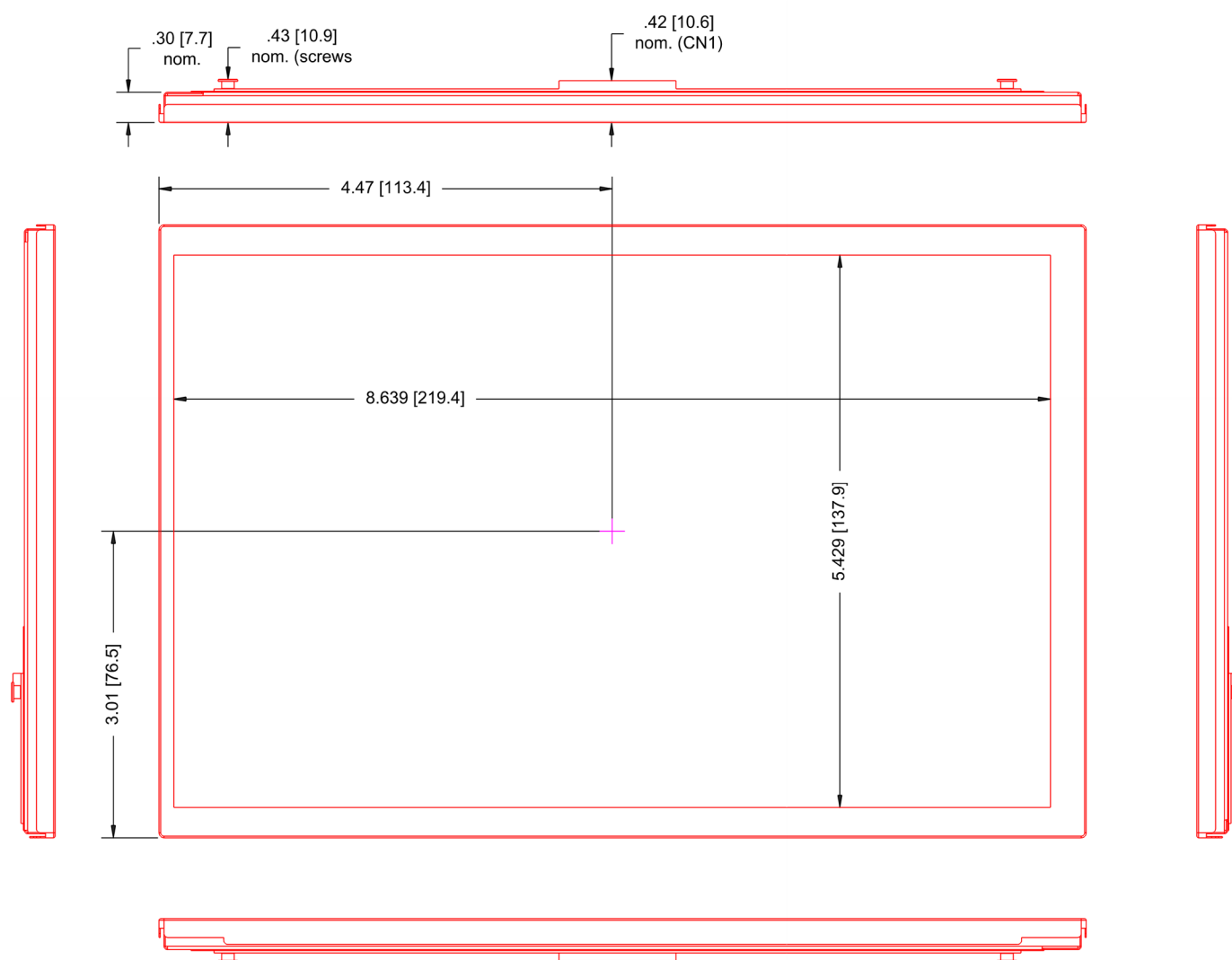
Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		92	102	112	Vdc

TYPICAL LCD/LED BACKLIGHT PERFORMANCE GRAPHS



² Moving air (36.0 CFM)

MECHANICAL CHARACTERISTICS FRONT



MECHANICAL CHARACTERISTICS BACK

