

TVD035VHLD



FEATURES

3.5"

- ◆ T-BRITE® Technology
 - Unrivalled power efficiency
 - Superior thermal dissipation
 - Innovative fault-tolerant LED design
- ◆ High Brightness LED Backlight
- ◆ Sunlight Readable
- ◆ Low Power Consumption
- ◆ Long Life Time
- ◆ High Resolution (VGA)
- ◆ Compact Design
- ◆ Wide Temperature
- ◆ Thermistor and Optical Sensors (optional)

CONTACT

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TRUE VISION DISPLAYS, INC.

TVD035VHLD is a rugged 3.5" LCD module developed with applications where durability and dependability are critical. This model features our proprietary T-BRITE technology for unrivalled power efficiency and superior thermal management characteristics. The quality of our product is backed by years of experience in developing LCD displays for the avionics, industrial, and defense sectors.

SPECIFICATIONS

Display	Display Area	72.0 (H) x 52.56 (V) (3.5 inch)	mm
	Pixels	640(H) x 480(V)	pixels
	Pixel Pitch	0.1125(H) x 0.1095(V)	mm
	Display Color	262,144 Colors	
	Display Mode	Normally White	
	Response Time	40	msec
	Contrast Ratio	400:1	
	Luminance	1,000 (@0.84W) , 1,500 (@1.27W)	cd/m ²
Backlight	Viewing Angle	L/R/U/D = 50/50/15/35	Deg
	Interface	TTL	
	Light Source	High Bright LED Rails	
Backlight	Life Time	50,000	Hr
	Connection	Molex 52271-1029 (10 pins Zip type)	
Power	LCD Power	0.18 (3.3V / 54.5mA)	W
	Backlight Power	0.84(20.9V / 40mA) @ 1,000 cd/m ²	W
	Total Power Consumption	1.02	W
Environment	Operating Temperature	-20 ~ +70	°C
	Storage Temperature	-40 ~ +80	°C
	Humidity	90	%
	Shock	100 (6ms, 3 times each direction ±X ±Y ±Z)	G
	Vibration	10~55Hz, 6 Cycles for each Direction X, Y, Z	
Mech.	Outline Dimension	86.8(H) x 68.4(V) x 6.5(D) – without Cover Glass	mm
	Weight	58	gram
	Mounting	Compression Fit	
Option	Dimming	0 ~ 100% Dimming with LED Controller	
	Touch Screen	Resistive, Projected Capacitive, Scratch Resistant	
	Glass Bonding	Heater / EMI / Low Reflection / Touch	

True Vision Displays, Inc.
Committed to Quality and Environment.

