

EL640.480-AM

ICEBrite™ TFEL display



EL640.480-AM is a VGA-display for use in extreme operating conditions.

Lumineq[®] Thin Film Electroluminescence (TFEL) displays have the widest operating temperature range of commercially available technology.

TFEL displays are ideal for use in industrial, medical, transportation, military, public safety and other demanding applications.

Lumineg Thin Film Electroluminescent Display

	Lui	mineq Thin Film	Electrolumines	scent Display
Product highlights:			Technical specifications:	
			Technology	Thin Film Electroluminescence
 Extremely low operating temperature: -60 °C Standard VGA Locking connector and analog dimming options 		Color	TFEL-yellow	
		u.c. 00 C	Viewing angle	179°, any viewing directions
		mina options	Response time	< 1 ms
3 th 1 th 1 th 1 th 2 th 1 th 1 th 1 th 1			Luminance	65 cd/m ² typical areal @ 120 Hz, AM1
General TFEL features and benefits:				49 cd/m² typical areal @ 120 Hz, AM8
			Contrast	40:1 typical at 500 lux, AM1
				30:1 typical at 500 lux, AM8
 Instant ON in cold and hot temperatures 			Resolution	640 × 480 pixels
 No need for heating and cooling 			Pixel pitch	0.33 × 0.33 mm
Very long lifetime			Weight	650 g
• Extremely stable brightness – measured 100,000 hours			Display size	266 × 192 × 20 mm
with > 85% left of initial luminance			Active area	211.1 × 158.3 mm
TFEL display brightness, contrast, viewing angle and			Supply voltages	5 and 12 VDC (standard)
response time are the same across the entire operating				24 VDC option avail. for AM8
temperature range			Power	11 W typical @ 120 Hz
Wide viewing angle > 179° with crisp and clear image			MTBF	> 50,000 hours
 Very fast response time, < 1 ms 			Temperature	Operating: -60 to +65 °C (ETL)
•	ed and solid TFEL dis	nlay structure		Operating: -40 to +65 °C (ET)
, 55	operating temperatu	' '		Operating: -25 to +65 °C (IN)
• Extremely wide	operating temperatu	re range		Operating: -5 to +55 °C (standard)
				Storage: -60 to +75 °C (ETL) Storage: -40 to +75 °C (standard, ET, IN)
Ordering Information:			Humidity	93% RH, oper., IEC 68-2-3
Product	Part number	Features	Altitude	18,000 m, oper., IEC 68-2-13
EL640.480-AM1	996-0268-00LF	Standard	Shock	100 g-force, 6 ms, IEC 68-2-27
-AM1 AG	996-0268-02LF	Anti-glare (AG)	Vibration	5 to 500 Hz, 0.02 g ² /Hz random
		film	VIDIALIOII	IEC 68-2-36, test Fdb
-AM8 IN	996-0268-27LF	Industrial temp. range	Interface	8-bit dual panel
			Options	Anti-glare film, conformal coating, locking
-AM8 ET	996-0268-16LF	Extended temp.	Ориона	connectors, dimming
		range		

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-AM8 ET CC

-AM8 ETL

-AM8 ETL CC

-AM8 ETL CC AG

-AM8 ET CC AG

ET + conformal

ET CC + AG film Extreme low oper.

ETL + conformal

ETL CC + AG film

coating

temp.

coating

996-0268-20LF

996-0268-31LF

996-0268-28LF

996-0268-29LF

996-0268-30LF