

EL160.120.39

ICEBrite™ small graphics TFEL display



996-0303-00LF

996-0303-01LF

996-0303-04LF

996-0303-05LF

EL00107100

EL00107200

Standard

Enhanced

ruggedness Enhanced

ruggedness,

Conformal Coating

No mounting Ears

No mounting Ears,

Conformal Coating

Conformal Coating

The EL160.120.39 is a TFEL display designed 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.

Tempered glass.

Luminea Thin Film Electroluminescent Display

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Product high	Product highlights:		Technical specifications:	
			Technology	Thin Film Electroluminescence
Wide tempe	rature area from -50	to +85 °C	Color	TFEL-yellow
Compact screen size			Viewing angle	179°, any viewing directions
•	Broad voltage input area from 8 to 18 VDC		Response time	< 1 ms
Locking connector			Luminance	70 cd/m² typical areal @ 150 Hz
 Dimming 			Contrast	59:1 typical @ 500 lux
-				32:1 typical @ 1,000 lux
General TFEL features and benefits:				4.3:1 typical @ 10,000 lux
			Resolution	160 × 120 pixels
			Pixel pitch	0.39 × 0.39 mm
 Instant ON in cold and hot temperatures 			Weight	65 a
 No need for heating and cooling Very long lifetime Extremely stable brightness – measured 100,000 hours with > 85% left of initial luminance. TFEL display brightness, contrast, viewing angle and response time are the same across the entire operating temperature range. Wide viewing angle > 179° with crisp and clear image Very fast response time, < 1 ms Extremely rugged and solid TFEL display structure. Very long production lifetime Extremely wide operating temperature range Ordering Information:			Display size	94 × 62 × 20 mm
			Active area	62.3 × 46.7 mm
			Supply voltages	5 and 818 VDC
			Power	3.0 W typical @ 150 Hz
			MTBF	> 50,000 hours
			Temperature	Operating: -50 to +70 °C
				Survival: -50 to +85 °C
				Storage: -60 to +105 °C
			Humidity	93% RH max @ +40 °C, oper., IEC 60068-2-78
			Altitude	18,000 m, oper., IEC 60068-2-13
			Shock	100 g-force, 6 ms, IEC 60068-2-27, test Ea.
			Vibration	EL160.120.39 Series:
				5 to 500 Hz, 0.02 g ² /Hz random,
				IEC 60068-2-64 test Fh.
				EL160.120.39-M Series
				5 to 500 Hz, 0.05 g²/Hz random, IEC 60068-2-64 test Fh.
Product	Part number	Features	Interface	4-bit LCD-type timing
	- are manned	. Jatar ob	Options	AR-filter, AG-filter, ITO EMI shielding glass,
			Options	AN-Inter, Ad-Inter, 110 Lift Siliefully glass,

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-NE CC

-M CC

EL160.120.39 CC

EL160.120.39-NE

EL160.120.39-M

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