Technical data sheet

EL320.256-FD6

TFEL display

The EL320.256-FD6 is a TFEL 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.

Lumineq Thin Film Electroluminescent Display

Product highlights:

- Broad input voltage range: 11…30 VDC

General TFEL features and benefits:

- Instant ON in cold and hot temperatures
- 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 life time

Ordering Information:

Product	Part number	Features
EL320.256-FD6	996-5087-00LF	ICEBrite™

Technical specifications:

Technology	Thin Film Electroluminescence
Color	TFEL-yellow
Viewing angle	179°, any viewing directions
Response time	< 1 ms
Luminance	25 cd/m^2 typical areal
Resolution	320 × 256 pixels
Pixel pitch	0.30 × 0.30 mm
Weight	260 g
Display size	130 × 110 × 31.1 mm
Active area	95.9 × 76.7 mm
Supply voltages	5 and 11…30 VDC
Power	6.0 W, typical
MTBF	> 50,000 hours
Temperature	Operating: -25 to +65 °C Survival: -40 to +70 °C Storage: -40 to +85 °C
Humidity	93% RH, oper., IEC 68-2-3
Altitude	15,000 m, oper., above sea level
Shock	100 g-force, 4 ms, IEC 68-2-27
Vibration	20 to 500 Hz, 0.05 g^2/Hz random IEC 68-2-36, test Fdb
Interface	EL standard, 1 bit/clock

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