



ELT41S-PEAK

The ELT41S-PEAK is a transparent charge status display demonstrator that comes with a segment design suitable for electric vehicle applications.

Due to the unique optical and performance characteristics, as well as lamination ready solution, Lumineq® transparent displays are ideal for vehicle applications where glazing can be turned into dynamic surfaces.

Lumineq displays, enabled by Atomic Layer Deposition, are the world's most transparent and most reliable displays.

Lumineq Transparent Display

Product capabilities:

The ELT41S-PEAK is designed to demonstrate and to help you to evaluate the unique capabilities of transparent Lumineq displays. The demonstrator helps you in concept design and prototyping, perform lamination trials to adapt the technology to your application.

Product features:

- Turnkey demonstrator consisting of transparent display with FPC, driving electronics and power supply.
- 41 segments – 4x7 segments, battery icon with 5 bars, h, %, km and mi.
- TIP-version
 - 1 encapsulated display
 - 1 set of electronics
 - Power supply
 - Cabling
- LIP for lamination
 - 4 mechanical samples
 - 2 mech samples with FPC
 - 1 functional display
 - 1 set of electronics
 - Power supply
 - Cabling
- Lamination required prior to use with LIP kit.
- Scripted demo mode or Lumineq CAN protocol version DIP-switch selectable
- LUMINEQ displays in general are fully customizable: Glass size, shape, segment design and contacting. Driving electronics, interface, and flex design.

Technical specifications:

Technology	Transparent Thin Film Electroluminescence. Solid state, inorganic, emissive
Color	TFEL-yellow
Type	Segmented, 41 predefined segments
Transparency	>80% >70% complete laminated stack with display when properly laminated
Viewing angle	Almost 360°, fully transparent
Response time	< 1 ms
Luminance	~800 cd/m2
Glass size	90 x 60 mm, R10 rounded corners
Glass thickness	0.7 mm for lamination 1.8 mm stand-alone (total - encapsulated with cover glass)
Flex (FPC)	Straight, length 250mm
PCB size	79x50x<35 mm
Power	Typical <3.5 W
Input Voltage	12 V _{DC}
Interface	User selectable scripted or Lumineq CAN mode
Warranty	3 months (Demonstrator/development kit)

Ordering Information:

Product	Part number	Features
LIP ELT41S-PEAK-07	EL00158400	Lamination Introductory Package incl. dummies and actual display.
TIP ELT41S-PEAK-07	EL00145100	Stand-alone display demonstrator.

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