

ELT78S-HUD-CAN

Transparent Display Demonstrator from Lumineq®



The ELT78S-HUD-CAN is a segmented display demonstrator that exhibits the full see-through properties of transparent Lumineq® display.

The display comes with a segment/icon design intended for electric car head-up display (HUD) applications. Transparent Lumineq® displays are ideal for fields where full transparency and ruggedness are of paramount importance.

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

Transparent Lumineq HUD Display Demonstrator

Product capabilities:

The ELT78S-HUD-CAN is designed to demonstrate and to help you to evaluate the unique capabilities of transparent Lumineq® displays. This technology demonstrator enables you to do concepting, prototyping and to adapt the technology to your application.

Transparent Lumineq displays are fully transparent, flexible in terms of applications and genuinely unique. Whether you want to see just how transparent a display can be, or test how transparent display could be used in your application, this demonstrator is ideal for you.

Product features:

- Segmented HUD with 78 predefined segments
- Fully transparent display glass cut to round shape
- With or without cover glass for in-glass lamination
- Flex circuits for connecting electronics to the glass
- Display driver electronics with CAN interface
- Does not come with casing or mounting

Technical specifications:

Technology	Transparent Thin Film Electroluminescence. Solid state, inorganic, emissive
Color	TFEL-yellow
Type	Segmented, 78 predefined icons
Transparency	~80%
Viewing angle	360°, fully transparent
Response time	< 1 ms
Max luminance	~1300 cd/m ² (typical)
Glass size	100 mm diagonal + glass contact area
Glass thickness	4.1mm when encapsulated with cover glass. 0.7mm when without cover glass for lamination.
Flex (FPC)	Straight, length 350mm (2pcs)
Driver PCB size	50 x 79 x <35 mm (2pcs)
Input Voltage	12 VDC
Interface	CAN. ISO 11898-1 compliant. Supports CAN 2.0A & 2.0B
Warranty	3 months (Demo product)
Operating environment	Office (Demo product)

Ordering Information:

Product	Part number	Features
ELT78S-HUD-CAN	EL00116500	Capsulated demonstrator with driver/CAN boards
ELT78S-HUD-V2-3M-FPC350	EL00130100	Capsulated demonstrator wo driver boards – Glass & flex only
ELT78S-07NC-HUD-CAN	EL00130300	Uncapsulated demonstrator with driver/CAN boards
ELT78S-HUD-07NC-FPC350	EL00130200	Uncapsulated demonstrator wo driver boards – Glass & flex only

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