

LIP ELT78S-HUD

Transparent Display Demonstrator from Lumineq®



The ELT78S-HUD 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 combine the rugged and reliable build of TFELs with the uniquely high transparency. TASEL is ideal for fields where full transparency and ruggedness are of paramount importance.

Transparent Lumineq Display Demonstrator

Product capabilities:

The ELT78S-HUD 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:

- Technology based on Thin Film Electroluminescence
- Segment display with 78 predefined segments
- Superior transparency with display glass cut to square for easy lamination
- Flex circuits for connecting electronics to the glass
- Optional driver and control electronics
- Does not come with casing or mounting

Technical specifications:

Technology	Transparent Thin Film Electroluminescence on soda lime glass substrate
Color	TFEL-yellow
Type	Segmented, 78 predefined icons
Transparency	~80%
Viewing angle	360°, transparent
Response time	< 1 ms
Luminance	~900 cd/m ² @ 800Hz (typical - scripted)
Glass size	100 mm diagonal + glass contact area
Glass thickness	0.7mm for lamination
Flex (FPC)	Straight, length 250mm (2pcs)
Driver PCB size	93.8 x 45.7 x 15 mm (2pcs)
Control PCB size	150 x 100 x 23 mm
Input Voltage	12 VDC
Video interface	Driver boards have SPI Interface. Control/LBA board has no interface (demo script).
Warranty	3 months (Demo product)
Operating environment	Office - limited by demo electronics

Ordering Information:

Product	Part number	Features
LIP ELT78S-HUD-LBA-07	EL00081800	Lamination intro package including several mechanical samples for lamination trials, 2 sets of functional glasses and one set of driver & control/LBA boards (demo script)
LIP ELT78S-HUD-07	EL00067800	Lamination intro package including several mechanical samples for lamination trials, 2 sets of functional glasses and one set of driver boards (SPI interface)
ELT78S-HUD-07NC-250FPC	EL00056600	Laminatable demonstrator without cover glass

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