

Optical Bonding of LCM Module with glass - NOBR series

Inserting Optically Clear Resin between LCD Module and the cover glass, touchscreen improves luminance, shock resistance and performance of display.

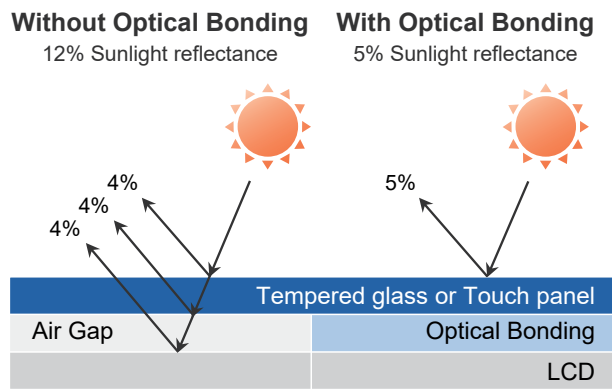
Advantages

- High image quality and sharper contrast
- Readability by eliminating reflections
- Reduced parallax
- Resistance to external influences
- Condensation prevention
- Long-term reliability
- Re-bond ability, reversible for repair

Applications

- Military, Medical rugged displays
- Transportation: Marine, In-flight, In-vehicle
- EMI / REI (ITO, mesh, etc.) filters
- Touch screens
- Outdoor information displays and Kiosks
- Vending machines

Specifications



Thermal hardening Adhesive - Cured by heat condition	
Material type	2 - part transparent silicone gel
Mixing ratio	1 : 1
Viscosity	1,980 mPa.s
Cure temperature	65°C
Cure time	46 min
Transmittance	> 99.0 % - UV-VIS
Haze	0.1

ENVIRONMENTAL PERFORMANCE	
Temperature	Stable under multiple ESS cycles between -40°C ~ +95°C
Humidity	95% (R.H. at 70 °C for a minimum of 50 hours)
U / V solar exposure	Stable fill adhesive & sealing gasket under simulated UV / solar exposure
Chemical resistance	Stable in contact with most silicone, polyurethane and polysulfide adhesive sealants. *Contact with Solvent Systems (methyl ethyl ketone, acetone, toluene or similar materials) will cause damage.

* The specification is subject to change without prior notice