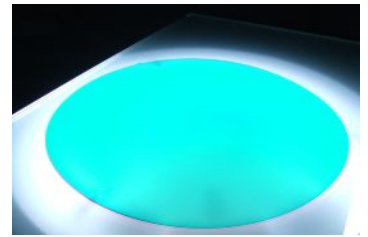


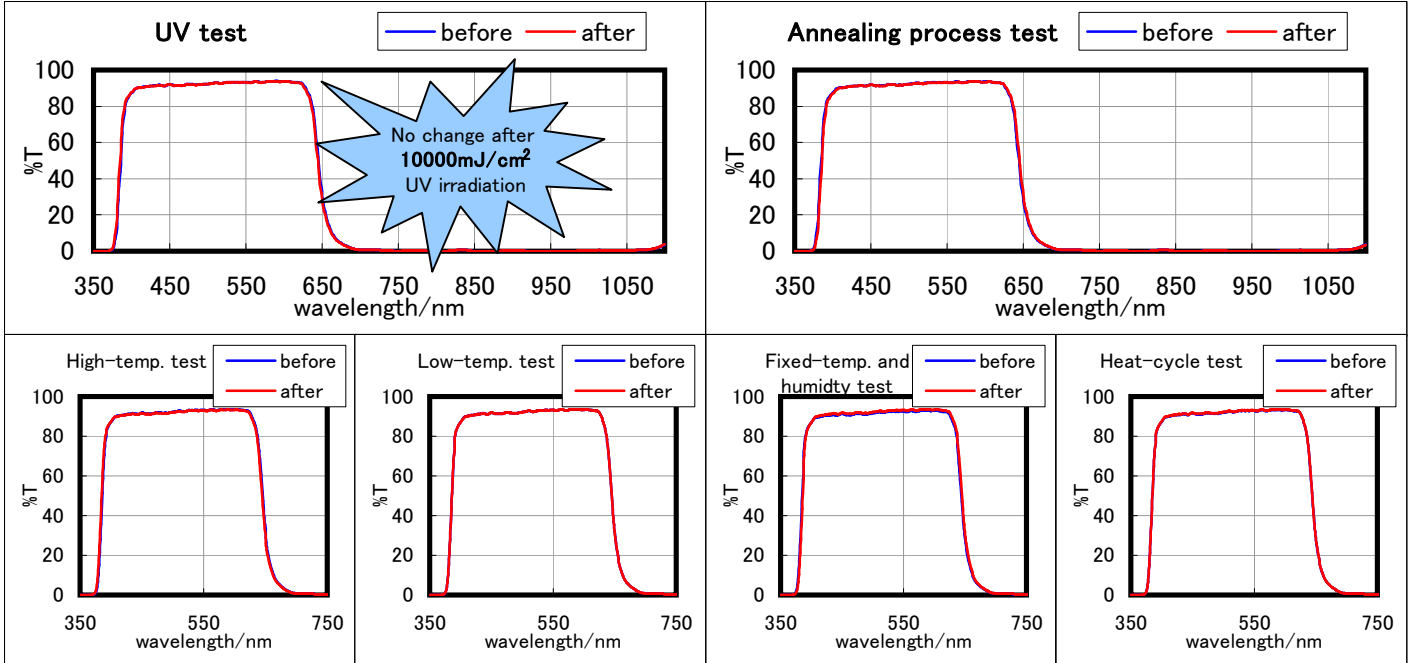
WLCSP Wafer



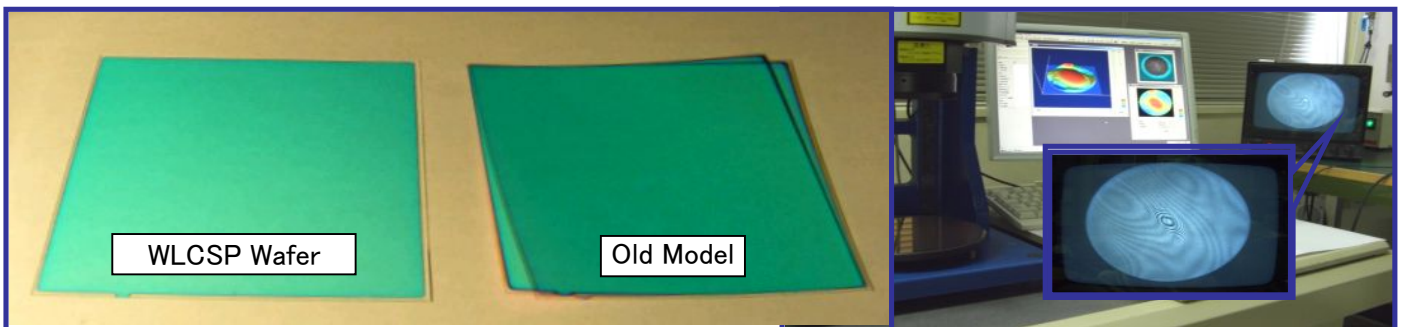
Our new "WLCSP Wafer" is much tuffer to the harsh environment than our old models, and highly improved in wafer warp.
We provide any optical thin films according to your needs.

Superior durability to temperature and humidty **Achieved UV test(10000mJ/cm²) and Annealing process test(300°C2H) other than 4 regular weathering tests(*1)!**

*1 High-temp. test(85°C1000H), Low-temp. test(-40°C1000H), Fixed-temp. and humidty test(85°C90%RH1000H), Heat-cycle test(-40°C/85°C/30min30cycle)



Outstanding Wafer warp Achieved **less than 150 μm wafer warp** on φ 200 substrate(0.3t). Also available in 0.1t.



Visual criteria

- Specification: differences within 5nm/surface
- Visual criteria: less than 20 μm inclusion/ φ 200 wafer
- Meets RoHS standards.



京浜光膜工業株式会社
KEIHIN KOMAKU KOGYO CO., LTD.

24-20 Horiyamashita, Hadano, Kanagawa, JAPAN, 259-1304

TEL : 0463-87-2002 FAX : 0463-87-1041 URL : <http://www.keihin-opt.co.jp>