

TELIC

Photomask - Large

Substrates

- Soda Lime
- Borosilicate (Eagle, D263, AF32, Borofloat)

Applications

- Flat Panel Displays
- PCB Tooling Masters
- MCM Masks

SUBSTRATE SPECIFICATIONS

SIZES: Square or Rectangular Shapes up to 24" or 610mm

THICKNESS: 00.010" - 0.220" (0.30mm - 6mm) non standard thickness is available upon request

SURFACE: All plates are polished on both sides and inspected to be free of glass defects > 5 microns

FLATNESS: <15 microns / 100mm x 100mm

FILM SPECIFICATIONS

CHROME: Vacuum Deposited, DC Sputtered in Class 100 Environment

THICKNESS/OPTICAL DENSITY: Standard: 1600Å /O.D.=4.0 ± 0.3 @ 530nm. Custom thicknesses up to 5 microns

REFLECTIVITY:

Low Reflective - LRC	<8% @ 450nm
Mid Reflective - MRC	<33% @ 450nm
High Reflective - HRC	<48% @ 450nm
Blue - R632	<5% @ 632nm
Blue/Chrome/Blue - R632/632	<5% @ 632nm Both Sides
Green - R850	<5% @ 850nm
Green/Chrome/Green - R850/850	<5% @ 850nm Both Sides

PROCESS:

- Etchable in all conventional Wet Etch systems
- Plasma Grade recommended for Dry Etch systems

PHOTORESIST:

5300Å AZ 1500 filtered to 0.045 microns at point of use. Fringeless and Regular Spin Available.

Custom Photoresist options include all widely used positive and negative optical and E-beam resist available. Including: AZ MIR701, AZ P4600, AZ 5206, AZ 9260, AZ nLOF 2000, AZ 6615, AZ ECI3027S1800, HR200, IP3500, IP3600, PMMA, AR N7700

LOR A, LOR B, PMGI

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