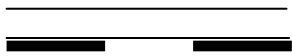


# Image Reversal

The image reversal process was developed to produce a specific resist profile for metal lift off. Normal exposure of the resist produces a slightly sloped resist profile due to the absorption of the photoresist coupled with the resist bleaching from the top down. Through the image reversal process, this sloped profile is reversed to leave the opposite, a resist with an undercut profile.

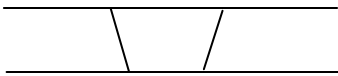
Positive Resist Process



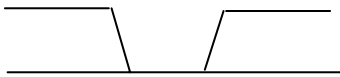
Cr Mask



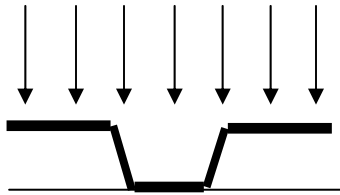
Light Intensity at Mask



Exposed Region of Resist



Developed Resist Profile



Metal Evaporation

Positive Resist w/ Image Reversal

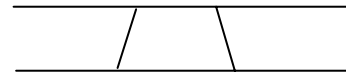
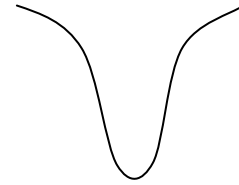
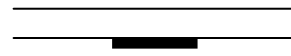


Image Reversal Process

