



SEMI<sup>®</sup> INTERNATIONAL STANDARDS

# Update of P37 Revisions

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# P-37 Revisions

- Remove appendix of related information
  - As stated in Note 1 in the related information: “The purpose of this related information is to convey additional ordering information that could be useful to purchasers. These recommendations are applicable to the 2010–2012 timeframe.”
  - The timeframe is past and the information removed is in the ITRS

- ~~Add front side conductive film properties~~

## 7.2 Frontside Multilayer Stack

7.2.1 The multilayer film stack should be optimized for EUV light at a median wavelength (as shown in Figure 7) to be defined by users and material suppliers incident at an angle of  $6^\circ$  to the surface normal.

7.2.2 The reflectivity properties of the multilayer film stack are to be specified in terms of the median EUV reflected wavelength  $\lambda_m$ , which is defined as shown in Figure 7 as the wavelength at the center of the Full-Width-Half-Maximum (FWHM) range of the measured reflectivity data, and this median wavelength might not occur at the measured peak reflectivity.

~~7.2.2-7.2.3~~ A conductive capping layer or other conductive layer directly below or above the capping layer must cover a minimum area of at least 146 mm × 146 mm. Corner rounding  $R \leq 5\text{mm}$  is permitted. The actual material and area will be decided between suppliers and users.

# P-37 revisions are being voted on

Cycle 6-12 is now open. The last day for voting is October 12, 2012.

Doc. #	Document Title	
5048	Line-Item Revisions to SEMI P37-1109, Specification for Extreme Ultraviolet Lithography Substrates and Blanks	
LI 1	Addition of Paragraph 7.2.3	<input checked="" type="radio"/> Accept <input type="radio"/> Accept with Comments <input type="radio"/> Abstain <input type="radio"/> Abstain with Comments <input type="radio"/> Reject
LI 2	Removal of Related Information 1	<input checked="" type="radio"/> Accept <input type="radio"/> Accept with Comments <input type="radio"/> Abstain <input type="radio"/> Abstain with Comments <input type="radio"/> Reject

- Please vote if you are a SEMI Micropatterning voting member – *so far there is a very low turnout*