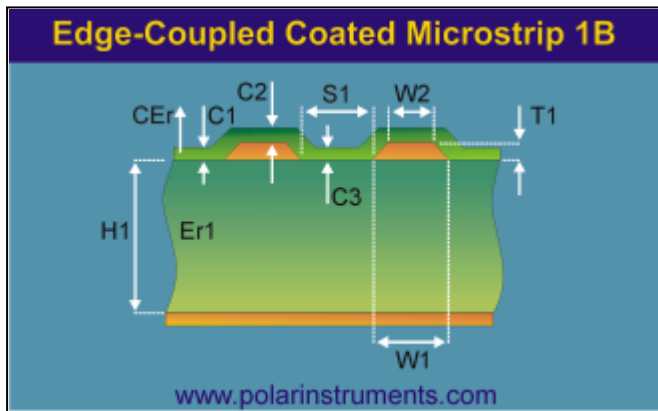


## Polar Si8000 Controlled Impedance Quick Solver



|                            |         |              | <u>Toleranz</u> | <u>Minimum</u> | <u>Maximum</u> |
|----------------------------|---------|--------------|-----------------|----------------|----------------|
| Substrat 1 Dicke           | H1      | 130,0000 +/- | 0,0000          | 130,0000       | 130,0000       |
| Substrat 1 Dielektrikum    | Er1     | 4,1000 +/-   | 0,0000          | 4,1000         | 4,1000         |
| Untere Leiterbreite        | W1      | 132,0000 +/- | 0,0000          | 132,0000       | 132,0000       |
| Obere Leiterbreite         | W2      | 107,0000 +/- | 0,0000          | 107,0000       | 107,0000       |
| Leiterbahn Separation      | S1      | 120,0000 +/- | 0,0000          | 120,0000       | 120,0000       |
| Leiterbahndicke            | T1      | 38,0000 +/-  | 0,0000          | 38,0000        | 38,0000        |
| Lackdicke auf Substrat     | C1      | 20,0000 +/-  | 0,0000          | 20,0000        | 20,0000        |
| Lackdicke auf Leiterbahn   | C2      | 8,0000 +/-   | 0,0000          | 8,0000         | 8,0000         |
| Lackdicke zw. Leiterbahnen | C3      | 20,0000 +/-  | 0,0000          | 20,0000        | 20,0000        |
| Lack Dielektrikum          | CEr     | 3,6000 +/-   | 0,0000          | 3,6000         | 3,6000         |
| <hr/>                      |         |              |                 |                |                |
| Differentielle Impedanz    | Zdiff   | 100,51       | -----           | 100,51         | 100,51         |
| Laufzeit (Odd Mode) (ps/m) | D       | 5556,610     | -----           | 5556,610       | 5556,610       |
| Odd Mode Impedanz          | Zodd    | 50,25        | -----           | 50,25          | 50,25          |
| Even Mode Impedanz         | Zeven   | 76,41        | -----           | 76,41          | 76,41          |
| Common Mode Impedanz       | Zcommon | 38,20        | -----           | 38,20          | 38,20          |

### Hinweise

Leiterbahnbreite 132µm Separation 120µm  
Als Bezugsmasse dient die erste Innenlage.