

“Type-2 PD/PSE Behavior under Overload/Shortcircuit”

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Cisco

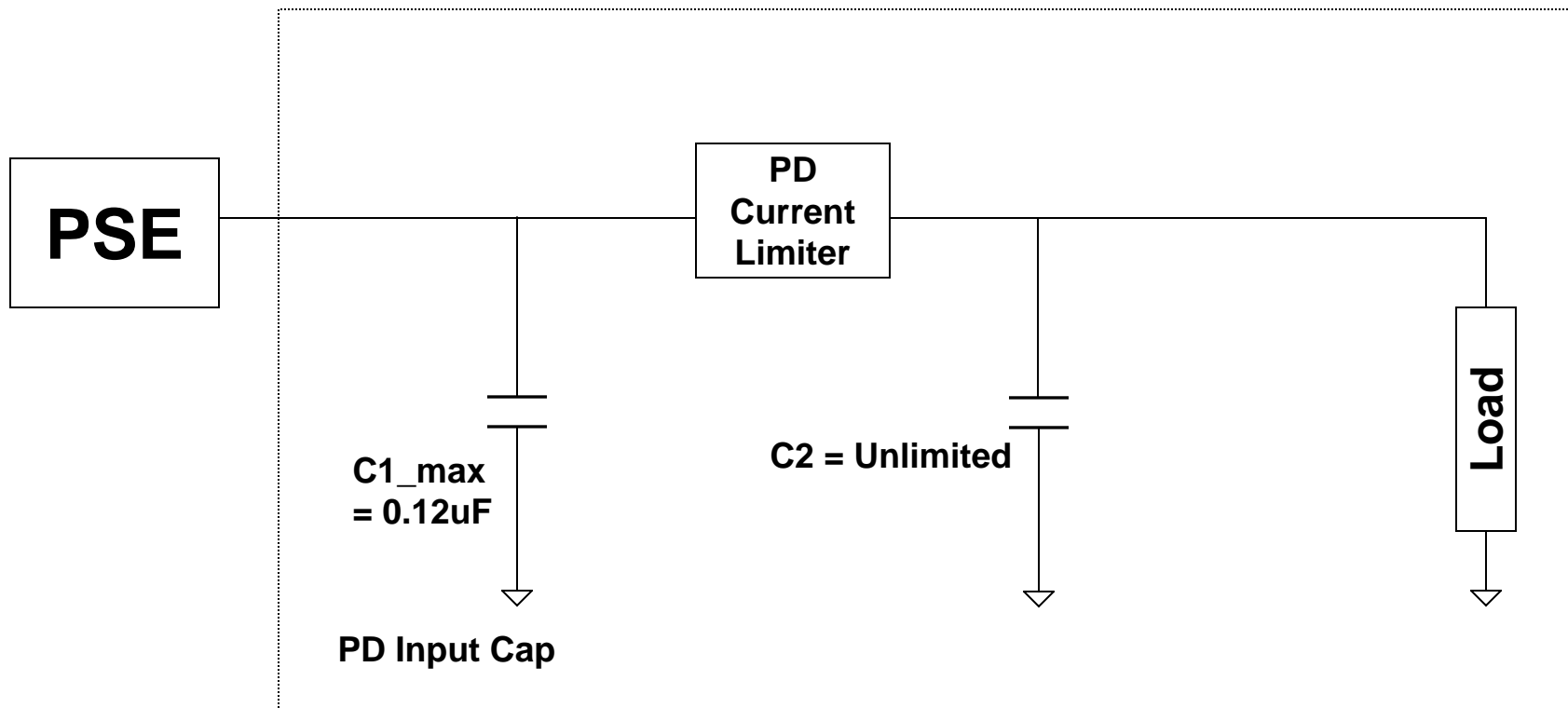
San Jose CA, USA

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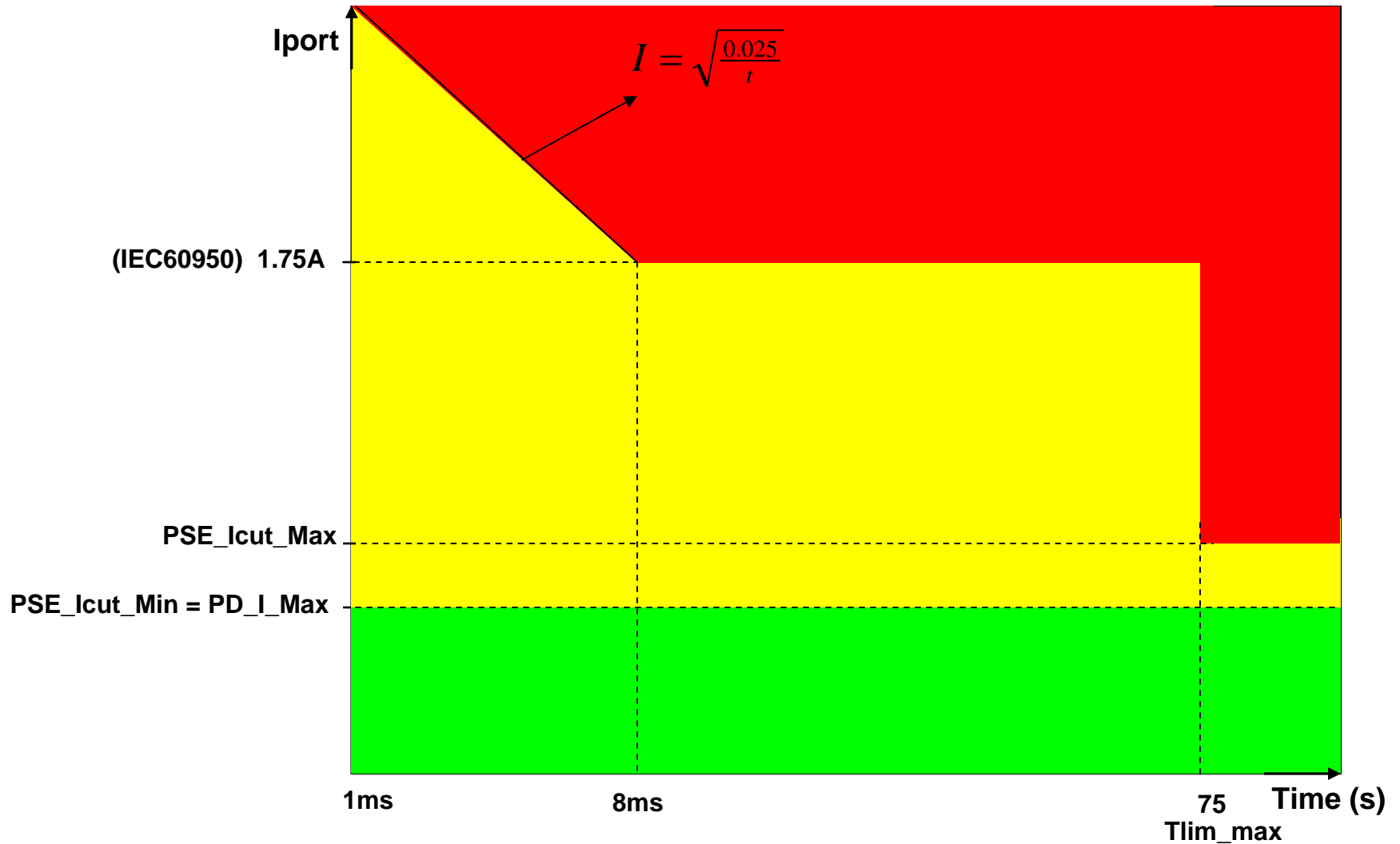
New look at Type-2 PD

- **Mandate current limiting for Type-2 PDs**
- **It is logical to have current limiting at the PD**
- **All known PDs already limit current.**
- **Solves many of the problems and holes identified in the AF spec**
- **Resolves the stalemate surrounding the PD model to be used during overload conditions.**

Type-2 PD architecture



PSE Mask



Shall and May

- **PSE shall turn off power before entering the red region**
- **Normal PSE operation in the green region.**
- **PSE may operate in the yellow region**
- **PD shall not draw current greater than PD_I_Max**