



IEE802.3 4P Task Force

Figure 33A-1- Rpair_max_PD and Rpair_min_PD PD common mode input effective impedance

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Comment [Annex 33A.5 Page 172 line 31]

Requested by remedy of comment #5 from D1.3:

In Annex 33A.5 to define Rpair_max_PD, Rpair_min_PD.

Suggested Remedy

1. Add the following text after line 31

RPair_PD_max and RPair_PD_min represent PD common mode input effective impedance of pairs of the same polarity.

The effective resistance Z_i is the measured voltage $V_{eff_pd_i}$, divided by the current through the path as described below and as shown in the example in Figure 33A-1.

Positive pairs:

$$Z1 = RPair_PD_min = V_{eff_pd1} / i1$$

$$Z3 = RPair_PD_max = V_{eff_pd3} / i3$$

Negative pairs:

$$Z2 = RPair_PD_min = V_{eff_pd2} / i2$$

$$Z4 = RPair_PD_max = V_{eff_pd4} / i4$$

2. Add figure 33A-1 after the above text as described in page 3 of darshan_01_1115.pdf3.

3. Lines 20-31: Change from RPair_max_PD to RPair_PD_max and from RPair_min_PD to RPair_PD_min. 10 occurrences.

4. In the equations in lines 21-27, add “[Ω]” after RPair_PD_max. 4 occurrences.

5. Delete Editor Note in lines 32-36.

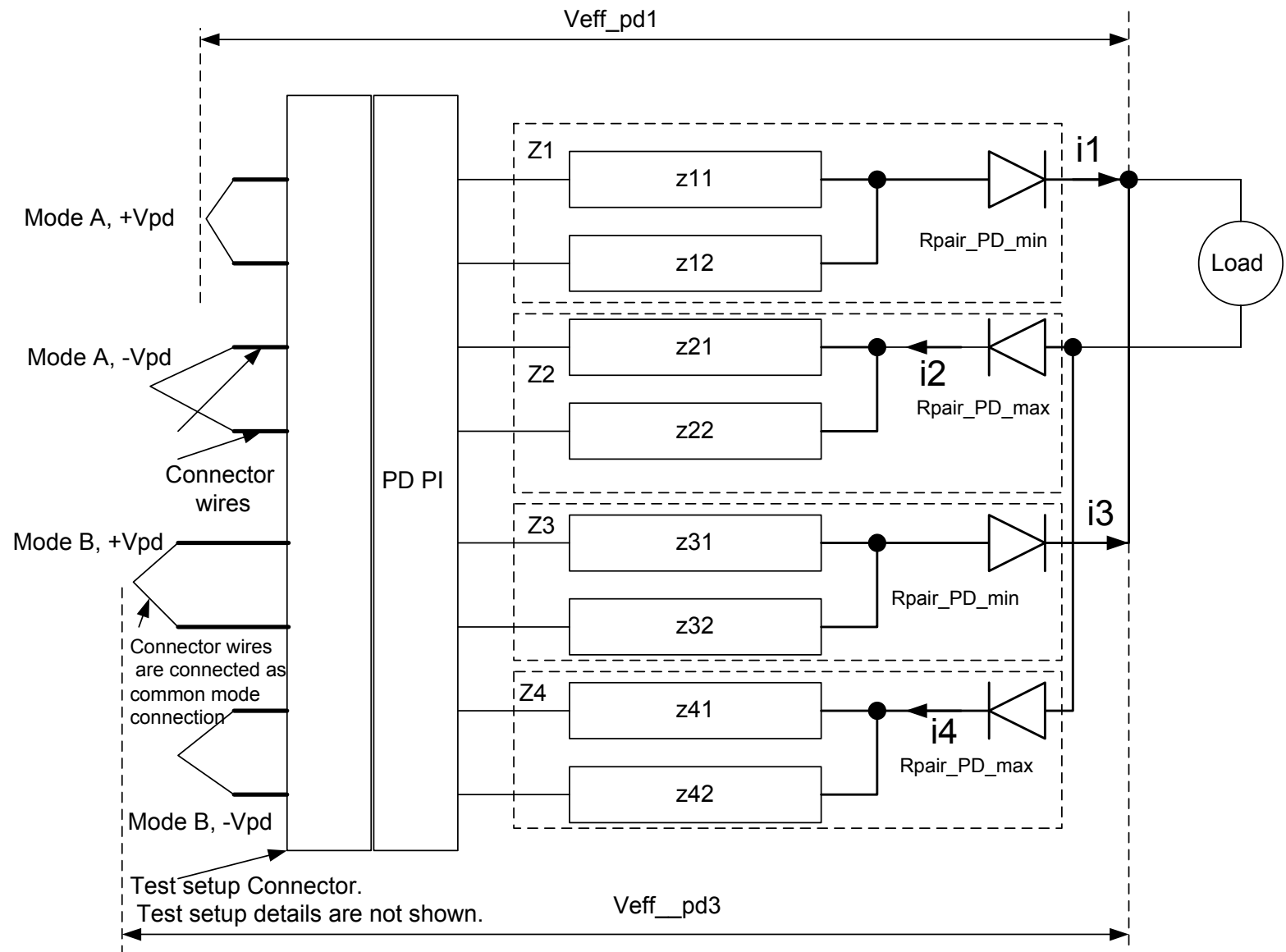


Figure 33A-1- Example for PD common mode effective impedance calculation