



$$= 4.1616$$

Part IV: Velocity factor measurement using TDR

According to the equation (3):

$$Vf = \frac{1}{\sqrt{Dk}}$$

We already know that the Dk is 4.1616, thus

$$Vf = \frac{1}{\sqrt{4.1616}} = 0.4901937226$$

Part V: References

[1] TDR, S-Parameters & Differential Measurements. Retrieved Nov 05, 2019, from https://www.keysight.com/upload/cmc_upload/All/TDR_S-Parameters_Differential_Meas-0906.pdf