



Microstrip Transmission Line Characteristic Impedance Calculator

The characteristic impedance (Z_0) of a microstrip transmission line can be calculated using the active calculator or the formulas at the bottom of the page.

Enter the ϵ_r of the PCB:	<input type="text" value="4.4"/>	Effective Dielectric Constant (ϵ_{eff}):	<input type="text" value="3.331"/>
Enter the width of the track:	<input type="text" value="0.69"/> mm	Characteristic Impedance (Z_0):	<input type="text" value="50.01"/> Ohms
Enter the thickness of the track:	<input type="text" value="0.035"/> mm		
Enter the thickness of the dielectric:	<input type="text" value="0.36"/> mm		

This calculator uses JavaScript and will function in most modern browsers. For more information see [About our calculators](#)

Title		
19-022 Sample Board Brecht Simon		
Size	Number	Revision
A4		
Date:	24-9-2019	Sheet of
File:	M:\ud\...\19-022 Sample Board Brecht Simon\OnSchBuc	