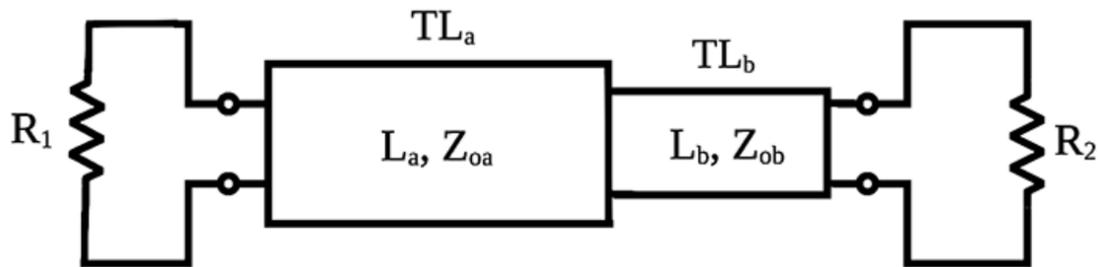


K1BUK Stepped Line Transformer Calculator



Enter data: R1 and R2 where $R_2 > R_1$, Characteristic Impedances (Z_{oa} and Z_{ob}) and Velocity Factors (V_{fa} and V_{fb}) for transmission lines TLa and TLb, and Frequency (MHz).

Then click Calculate button.

R1 (Ohms):	<input type="text" value="50"/>
R2 (Ohms):	<input type="text" value="200"/>
Zoa (Ohms):	<input type="text" value="300"/>
VFa:	<input type="text" value="0.88"/>
Zob (Ohms):	<input type="text" value="75"/>
VFb:	<input type="text" value="0.66"/>
Freq. (MHz):	<input type="text" value="14.200"/>

$L_a/\text{Wavelength}$ and $L_b/\text{Wavelength}$ are fractional wavelengths of ideal transmission lines ($V_{fa} = V_{fb} = 1$). Physical Lengths include Velocity Factors entered above.

Wavelength (m):	<input type="text" value="21.1268"/>
P:	<input type="text" value="0.87075"/>
S:	<input type="text" value="0.21875"/>
$L_a/\text{Wavelength}$:	<input type="text" value="0.03205"/>
$L_b/\text{Wavelength}$:	<input type="text" value="0.1195"/>
Physical Length TLa (m):	<input type="text" value="0.59581"/>
Physical Length TLa (ft):	<input type="text" value="1.95474"/>
Physical Length TLb (m):	<input type="text" value="1.66623"/>
Physical Length TLb (ft):	<input type="text" value="5.46663"/>