

$Z_{\text{in}}$  desired input impedance in  $\Omega$

$Z_{\text{out}}$  desired output impedance  $Z_{\text{in}} = Z_{\text{out}}$

$a$  attenuation in dB

$L = 10^{\frac{a}{20}}$  (the loss)

## **Bridged tee attenuator**

$$R1 = Z_{\text{in}} \cdot (L - 1)$$

$$R2 = \frac{Z_{\text{in}}}{L - 1}$$