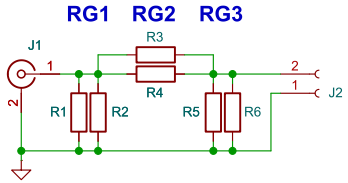

Match examples:

50 Ω <-> 200 Ω, a=15dB:
RG1 = 56,7102 Ω (91Ω || 150Ω = 56.64Ω (=0.13% error))
RG2 = 272,279 Ω (300Ω || 3kΩ = 272.73Ω (=0.16% error))
RG3 = 604,648 Ω (910Ω || 1.80kΩ = 604.43Ω (=0.04% error))

50 Ω <-> 450 Ω, a=17dB:
RG1 = 52,9307 Ω (75Ω || 180Ω = 52.94Ω (=0.02% error))
RG2 = 520,365 Ω (680Ω || 2.20kΩ = 519.44Ω (=0.18% error))
RG3 = 2557,68 Ω (4.70kΩ || 5.60kΩ = 2.56kΩ (=0.09% error))

50 Ω <-> 800 Ω, a=20dB:
RG1 = 51,5625 Ω (75Ω || 330Ω || 330Ω = 51.56Ω (=0.00% error))
RG2 = 990 Ω (1.80kΩ || 2.20kΩ = 990Ω (=0.00% error))
RG3 = 3771,43 Ω (4.30kΩ || 30kΩ = 3.76kΩ (=0.28% error))

50 Ω <-> 1000 Ω, a=20dB:
RG1 = 51,2805 Ω (62Ω || 300Ω = 51.38Ω (=0.20% error))
RG2 = 1106,85 Ω (1.60kΩ || 3.60kΩ = 1.11kΩ (=0.08% error))
RG3 = 8566,03 Ω (12kΩ || 30kΩ = 8.57kΩ (=0.06% error))

50 Ω <-> 1250 Ω, a=23dB:
RG1 = 50,9365 Ω (56Ω || 560Ω = 50.91Ω (=0.05% error))
RG2 = 1756,82 Ω (3.90kΩ || 4.70kΩ || 10kΩ = 1.76kΩ (=0.01% error))
RG3 = 4186,73 Ω (4.70kΩ || 39kΩ = 4.19kΩ (=0.19% error))

50 Ω <-> 1800 Ω, a=25dB:
RG1 = 50,6308 Ω (68Ω || 200Ω = 50.75Ω (=0.23% error))
RG2 = 2658,98 Ω (3kΩ || 24kΩ = 2.67kΩ (=0.29% error))
RG3 = 5464,58 Ω (7.50kΩ || 20kΩ = 5.45kΩ (=0.18% error))

50 Ω <-> 3200 Ω, a=27dB:
RG1 = 50,3621 Ω (62Ω || 270Ω = 50.42Ω (=0.12% error))
RG2 = 4468,51 Ω (6.20kΩ || 16kΩ = 4.47kΩ (=0.00% error))
RG3 = 11115,9 Ω (15kΩ || 43kΩ = 11.12kΩ (=0.04% error))

H1
H2
H3
H4

Michael Krämer, DK8PP

Sheet: /
File: Pi-Attenuator_0603.kicad_sch

Title: Pi-Attenuator_0603

Size: A5	Date: 2025-07-01	**Rev: V1.0**
KiCad E.D.A. 9.0.3		Id: 1/1