Technical Bulletin
No: 119 – Calculating IAD Pads

Model: RS-6/12/18/24 **No:** 119

Subject: Calculating IAD resistor values for attenuation **Date:** 03/15/95

Procedure: 1. Use the following formula to calculate the correct resistor values for non-standard attenuation.

R (in K ohm) = (90.6624 * x) / (5.76 - 21.5 * x)

Where x = (0.2679) / ((anti-log of the attenuation in dB) / 20)

Example: For a 15dB IAD
x = 0.0476
R = 0.912 K ohm

Install two standard 909 ohm 1% resistors in an IAD carrier. One between pins 3 and 12 and one between pins 7 and 8.

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