Subject: L-Pad Configs
Posted by GarMan on Fri, 08 Apr 2005 15:57:51 GMT
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Hi Wayne,Can you explain to me the differences between the two types of L-Pad configurations.Type I: "Traditional" type with R-series followed by R-paral and driver.Type II: "PI" type with R-paral followed by R-series and driver.From what I see, Type I is much more sensitive to resistor values when high levels of attenuation is required and also requires very low values for R-paral, which are hard to find.Type II seems to be more "stable" and tolerant of resistance variations and uses easier to find values.

Subject: Re: L-Pad Configs
Posted by Wayne Parham on Fri, 08 Apr 2005 16:05:36 GMT
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There are several things that resistance in the circuit can be made to do. It can be used to provide attenuation and it can also be used to set the Q of the circuit. So the differences in values and configuration are what set those things. In some cases, all that is needed is a voltage divider, but in other cases the Q of the circuit is modified to tailor response.