



## 0 - 71 dB Step Attenuator Ladder Configuration

The step attenuator presented here for measurement purposes, is an inestimable tool for accurate control of amplitude levels. In addition, it improves the impedance match between impedance-sensitive devices, such as amplifiers, oscillators and filters, lowering the VSWR of components connected in cascaded mode by providing isolation between the impedances.

Furthermore, the step attenuator is suitable for receiver front-end protection or as calibrated attenuator for receiving performance evaluation.

The attenuator in ladder configuration uses eight high quality low stray capacitance double pole double throw (DPDT) toggle switches to select different amounts of attenuation.

The unit provides 0-71 dB of attenuation in 1 dB step.

Based on Minicircuits PAT+ series, wideband DC to 7GHz fixed ceramic attenuator cells of 1dB-2dB-3dB-5dB-10dB-10dB-20dB-20dB, it gives a precise reference of attenuation.

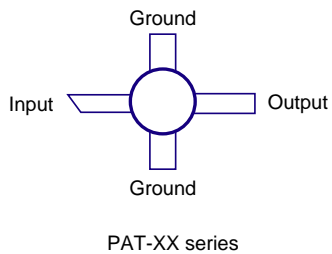
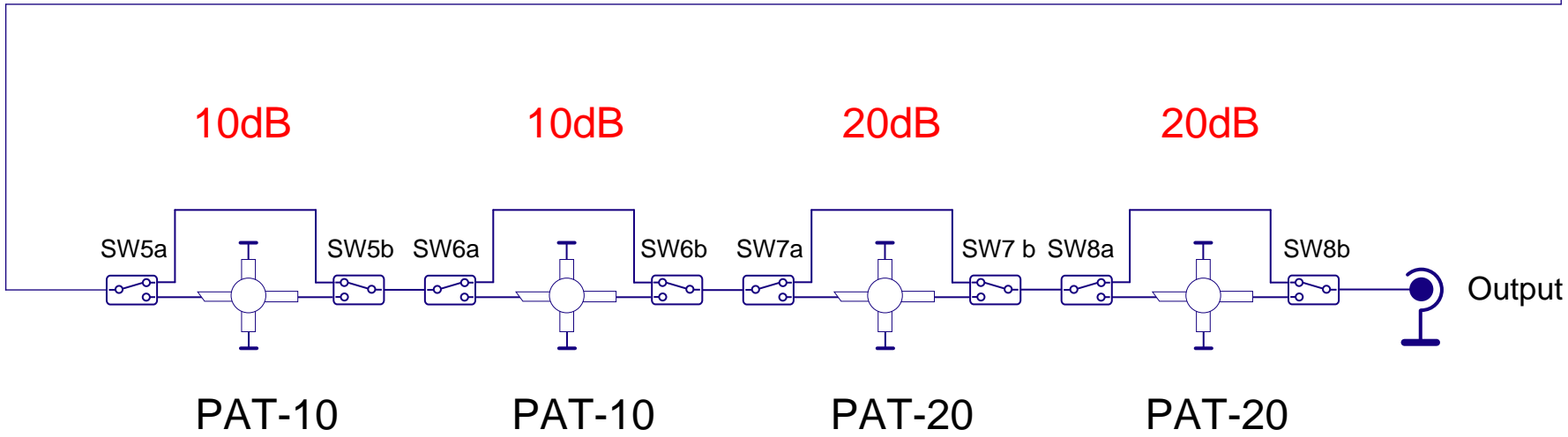
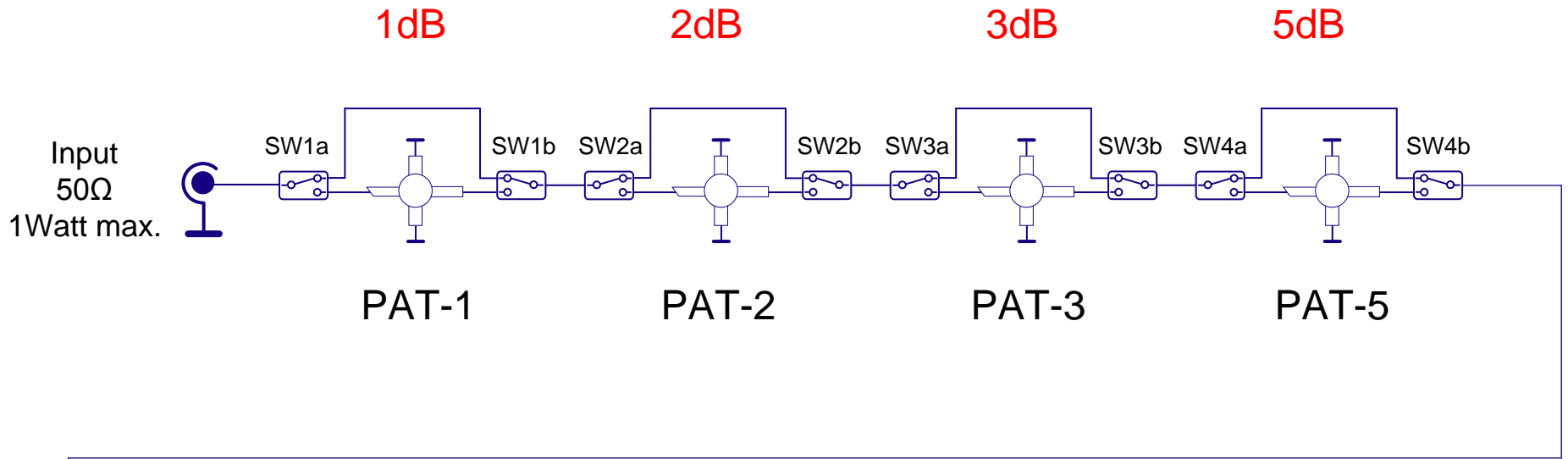
BNC connectors protected with no short-circuited metallic dust caps are used at each end of the attenuator.

### **Features:**

Power rating: 1-Watt maximum.

Impedance: 50 Ohms

External Dimensions: 148mmx37mmx30mm(5.827x1.457x1.181in)



<b>HEROS</b> technology Ltd general electronics			
Drawing 0dB-70dB Step Attenuator		Date 10/04/2008	
Approvals	Size	DWG No	Sheet 1/1
Issued	A4	REV 1.0	FCM No
Checked	Scale	Date	
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