



DC – 3 GHz, Programmable Attenuator for Cellular Fading Simulation Application

Renaissance has developed a new solid state programmable attenuator that can be used to perform fading simulations. The device operates from DC – 3 GHz with 5.5 dB insertion loss and can attenuate 100 dB in 1 dB steps. The attenuator can handle 20 dBm over -40 to +85° C.

Features and Benefits

- Operating life > 10⁹ cycles
- Easily integrated into existing systems
- Industry standard footprint
- Solid state design
- TTL Control
- Control: .04" solderable leads

Specifications

Frequency	DC - 3 GHz
Attenuation	100/1 dB
Return Loss	17 dB
Control	TTL
Power CW	20 dBm
Voltage	5V @ 20 mA
Switching time	100 ns
Temperature	-40 to +85 °C
Size	4.0" x 1.06" x 1.06"
Connector	SMA-Female