

# Phillips Scientific

# Quad Rotary Attenuator

# NIM MODEL 804

## DESCRIPTION

The Phillips Scientific Model 804 is a quad, 50 ohm, rotary Pi attenuator, packaged in a single width NIM module. It is configured with 12 positions, ten calibrated steps from .1 to 1.0 attenuation in .1 increments, and an OFF position. An additional open position has been included to allow the user to add another value of attenuation if desired. The 804 employs a high quality sealed switch that maintains uniform performance in the presence of dust or other contaminants.

## SPECIFICATIONS

### Attenuation Range and Steps :

<u>Position</u>	<u>Gain</u>
1	.1
2	.2
3	.3
"	"
9	.9
10	1.00
11	OPEN
12	OFF

**Attenuation Accuracy :**  $\pm 0.5\%$  of setting.

**Impedance :** 50 ohms  $\pm 1\%$ ; for all positions except 11.

**Frequency Range :** DC to 1000 MHz, 3db point.

**Voltage Standing Wave :** 1.05:1 to 250 MHz.  
1.10:1 to 500 MHz.  
1.20:1 to 1 GHz.

**Average Power :** 0.5 Watt.

**Indexing :** 30 °Continuous rotation.

**Operating Temp. Range :** -20 °C to +75 °C.

**Connector Types :** BNC connectors are standard; LEMO or SMA female are optional. Specify when ordering.

**Packaging :** Standard single width NIM module in accordance with TID-20893 and Section ND-524.

**Quality Control :** 36 hour cycled burn-in with switched power cycles.

