

Special Problem 3.G-4

Incident on **one** port of a directional coupler is a signal with power **10.0 mW**. No power is exiting (i.e., reflected from) this port.

No other signals are incident on this device.

Exiting the three other ports of the coupler are signals of **7.0 mW**, **2.5 mW**, and **0.01 mW**.

Determine the **Coupling, Insertion Loss, and Directivity** of this coupler.