IQ Modulator

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This blocks takes the two input signals that correspond to the part of the signal in phase and in quadrature and produces a complex signal, that contains information about the amplitude and phase.

Input Parameters

- outputOpticalPower

- outputOpticalWavelength

- outputOpticalFrequency

Functional Description

The complex signal is multiplied by $\frac{1}{2}\sqrt{outputOpticalPower}$ in order to reintroduce the information about the energy (or power) of the signal. This information was omitted ...

Input Signals

Number: 2
    Type: Sequence of impulses modulated by the filter (ContinuousTimeContiousAmplitude))

Output Signals

Number: 1
    Type: Complex signal (ContinuousTimeContiousAmplitude)

Example

Sugestions for future improvement