

MI1 pulse modulators

Features

- Wide frequency range from 10 MHz to 20 GHz
- High power attenuation during the pause ≥ 70 dB
- Pulse envelope front/tail time < 10 ns
- Standard 5 V TTL signal control
- Operation in several coaxial paths
- Modulator ports can be used both as input and output ports.



Description

MI series modulators are used for pulse modulation of continuous harmonic signals. These devices are used in various measuring benches and systems. For example, as external pulse modulators for R2M and R4M scalar and vector network analyzers operating in pulse measurement mode, and G7M frequency synthesizers. Several versions of MI1 pulse modulators are available with different connector types. In addition, MI1 modulators are supplied with a power adapter and a 1.2 m BNC cable (male-male) for the mod-

ulator and modulation signal source connection. This provides the best possible MI1 interaction with R2M and R4M network analyzers and G7M frequency synthesizers.

Specifications

	MI1-18	MI1-20
Operating frequency range	10 MHz ... 18 GHz	10 MHz ... 20 GHz
Power attenuation during the pause, dB	≥ 70	
Pulse envelope front/tail time, ns	< 10	
Minimum pulse duration, ns	20	
Maximum pulse repetition rate, MHz	25	
Control signal to pulse delay, ns	≤ 20	
Insertion loss, dB	< 10	
VSWR	< 2.5	