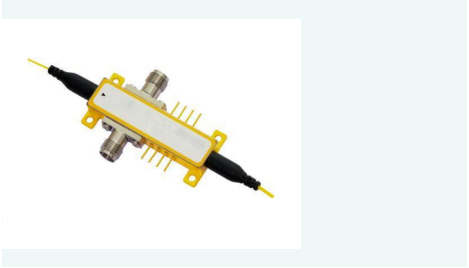
Thin-film lithium niobate IQ modulators

Integrated I/Q optical modulation using a thin-film lithium niobate Mach-Zehnder architecture and thermal bias control.



Representative series photograph. Packaging depends on configuration.

Technical specifications

Operating wavelength	1530-1565 nm
RF bandwidth options	20 or 40 GHz
Extinction ratio	≥25 dB
Insertion loss	≤5.5 dB; lower-drive 20 GHz option ≤6 dB
Optical input limit	≤200 mW
Bias	Thermal heater electrodes

Applications

Coherent optical communication / I/Q waveform generation / Microwave photonics

Selecting your configuration

The lower-drive 20 GHz option is a separate configuration. Confirm half-wave voltage at the actual drive frequency, RF connector and heater-control requirements.

Series options are not guaranteed combinations. Precisometer confirms the specifications, interfaces and availability of your selected configuration in a quotation.

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