

1x2 Dual-Output Modulators



Our 12.5, 20, and 40Gb/s intensity modulators can be packaged with dual complementary outputs.

Example Specifications (please call for your application)

	12.55 Gb/s 1x2 Dual-Output Modulator
Insertion Loss	< 3.5 dB (< 2.5 dB opt)
Output Balance	± 0.25 dB
3 dB Bandwidth	>10, >16, >20 GHz
Modulation Port V _{pi} (@ 1 GHz)	< 4.5 volts
DC Bias Port V _{pi}	< 10 volts
S ₁₁ (0.13 to 12.5 GHz)	< -10 dB
Optical Null Depth (@ DC)	> 18 dB
Optical Return Loss	> 50 dB
Package Dimensions	3.48" x 0.35" x 0.35" (88.4 x 8.9 x 8.9 mm ³) Small form factor available
RF Connector	female K
Operating Wavelength	1.55 micron (C- and L-Band)
Input Fiber	PM
Output Fiber	SM (PM optional)
Optical Connectors	FC/UPC standard (FC/APC & others available)
Options	Ultra-low insertion loss Z-cut or X-cut External RF termination port 2x2 dual-input, dual-output Larger bandwidth for 20 and 40 Gb/s Custom alpha chirp factors 1.06 & 1.3 micron operating wavelength