



CATV Band Dual Output Modulator



Features

- Low insertion loss
- Flat frequency response
- Integrated phase modulator
- Separate bias electrode
- Extra-low CSO

Applications

- High quality CATV external modulated 1550nm band transmitters

Performance Specifications

	Parameter	Values
Optical	Operating Wavelength (nm)	1540-1560
	On/Off Extinction Ratio (DC) (dB)	≥ 20
	Optical Return Loss (dB)	≥ 45
	Optical Insertion Loss (dB)	≤ 4.5
	Insertion Loss Imbalance Between Outputs (dB)	≤ 1.0
	Input Optical Power (mW)	≤ 200
Intensity Modulation	V_{π} , Signal Electrode, 100MHz (V)	≤ 5.9
	RF Input Power (dBm)	≤ 24
	RF V_{π} @ DC (V)	≤ 4.0
	Bias V_{π} Electrode, DC (V)	≤ 5.0
	Operating Bandwidth (MHz)	47-860
	Amplitude Flatness (dB)	≤ ±0.5
	Phase Flatness (Deg)	≤ ±5
	S11, Electrical Return Loss (dB)	≥ 18
Phase Modulation	Half-wave Voltage, DC (V)	≤ 8.5
	Operating Bandwidth, DC (GHz)	≥ 2.5
	S11, Electrical Return Loss (dB)	≥ 10
	Applied RF Power (dBm)	≤ 30
Mechanical	Input Fiber	PM
	Output Fiber	PM or SMF-28
	Electrical Connectors (package)	SMA
	Package Dimensions (mm)	L70xW10xH8
Environmental	Operating Temperature (°C)	0 ~ +70
	Storage Temperature (°C)	-40 ~ +85

Specifications may change without notice

