

## CATV Band Dual Output Modulator



### Key Features

- Low Insertion Loss
- Flat frequency response
- Integrated phase modulator
- Separate bias electrode
- Extra-low CSO

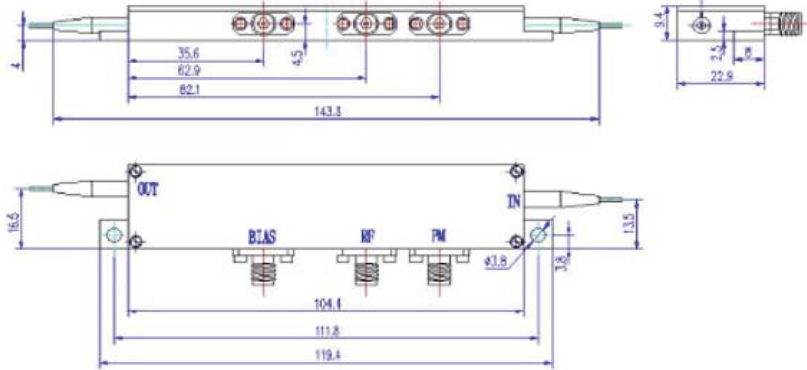
### Applications

- High quality CATV external modulated 1550nm band transmitters

### Performance Specifications

	Parameter	Specifications
<b>Optical</b>	Operating Wavelength	1540nm to 1560nm
	On/Off Extinction Ratio	≥ 20dB
	Optical Insertion Loss	≤ 4.5dB
	Optical Return Loss	≥ 45dB
	Insertion Loss Imbalance Between Outputs	≤ 1.0dB
	Input Optical Power	≤ 200mW
<b>Electrical</b>	$V_{\pi}$ , Signal Electrode, 100MHz	≤ 5.9V
	RF Input Power	≤ 2.4dBm
	RF $V_{\pi}$ @ DC	≤ 4.0V
	Bias $V_{\pi}$ , Electrode, DC	≤ 5.0V
	Operating Bandwidth	47 to 860MHz
	Amplitude Flatness	≤ ±0.5dB
	Phase Flatness	≤ ±5Deg
	S11, Electrical Return Loss	≥ 18dB
<b>Phase Modulation</b>	Half-wave Voltage, DC	≤ 8.5V
	Operating Bandwidth, DC	≥ 2.5GHz
	S11, Electrical Return Loss	≥ 18dB
	Applied RF Power	≤ 30dBm
<b>Mechanical</b>	Input Fiber	PM Fiber
	Output Fiber	PM or SMF-28
	Electrical Connectors (package)	SMA
	Package Dimensions	L70mm x W10mm x H8.0mm
<b>Environmental</b>	Operating Temperature	0 to +70°C
	Storage Temperature	-40 to +85°C

**Mechanical Dimensions**



**Ordering Information**

LNIM	□ □	□ □ □ □ □	□	□	□ □
	Wavelength	Modulation Speed	Fiber Type (Input)	Fiber Type (Output)	In/Out Connector
	15 = 1540 - 1560nm	08600 = 860MHz(CATV)	1 = PM 1550 PANDA	1 = PM 1550 PANDA 2 = SMF-28	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC