



**2 Year  
Warranty**

## 4CMN1000L 1 GHz NODE

**LOW CURRENT 420 mA**

**Starting at \$399.00**

**PowerMiser™**



- Fits in Magnavox/Philips 9H Housing
- Low Current Draw
- Higher Reliability due to Lower Heat
- High Output 52 dBmV
- 1310 FP or DFB or 1550 DFB Laser
- Standard Interstage EQ's and Pads
- Plug in Diplexer for future split changes
- 100% New Construction with 90 Volt Power Supply
- Breakthrough Low Current Technology
- Option for installed WDM
- Option for No Input signal power down

### Specifications in Housing

Parameter	Test Conditions		Units	Notes	Forward	Reverse
Technology			-	-	GaAs	GaAs
Bandwidth			MHz	-	54-1003	5-40
Optical wavelength			nm	1	1290-1600	1310
Response Flatness			dB	-	+/-0.5	+/-0.5
Minimum Full Output	-4 dBm light input		dBmV		52 dB @ 1 GHz	N/A
Input Test Points			dB	-	N/A	-20 +/-1
Output Test Points			dB	4	-20 +/-1	N/A
Output Return Loss	Freq	5-40 MHz	dB		-	16
		54-1003 MHz			16	
Minimum Light Input	48 dB C/N		dBm		-4	
Minimum Light Output			mW		2	
DC Current Draw (max)	@24 Volts DC		mA	-	420	
AC Current Draw (max)	90 VAC		mA	-	160	
	60 VAC				240	
	50 VAC				308	
	40 VAC					

			390		
Noise Figure	-	dB	-	N/A	4.5
<b>Distortion Measurements @ rated loading</b>					
Reference Frequencies	-	MHz		55/550/870/1GHz	T7-T12
Output Levels	-	dBmV	-	35/44/49.5/52	36
Channel Loading	-	NTSC	3	79 + 450 MHz digital or equalivlent	4 channels
Composite Triple Beat	-	dBc	-	70	>50
Composite Second Order		dBc	-	71	>50
Carrier to Noise		dB	-	54	43
Cross Modulation		dBc	-	73	

[www.4cable.tv](http://www.4cable.tv)

**Notes:**

1. Standard is no return laser, options include FP and DFB 1310 and DFB 1550
2. All return loss measurements made with 0 dB pads and a #18 gauge wire jumpers in place of the equalizers.
3. Distortion measurements made with 79 analog channels and 450 MHz digital channels or equalivlent noise running 6 dB down from an analog equivalent.
4. On Board Directional couplers

**Options:**

<b>Option 000</b>	<b>FP Return Laser 1310 nm</b>	<b><i>add \$100.00</i></b>
<b>option 001</b>	<b>DFB Return Laser 1310 nm</b>	<b><i>add \$200.00</i></b>
<b>option 002</b>	<b>DFB Return Laser 1550 nm</b>	<b><i>add \$200.00</i></b>
<b>option 003</b>	<b>1550/1310 WDM installed</b>	<b><i>add \$200.00</i></b>
<b>option 004</b>	<b>Auto Power Down</b>	<b><i>add \$100.00</i></b>

**Available now from stock to 4 weeks**

**Contact: *4Cable TV Inc.* 843-347-4933**

**1256 Highway 501 Business**

**Conway SC 2952**