



4C739N1GLC1 1 GHz NODE

**2 Year
Warranty**

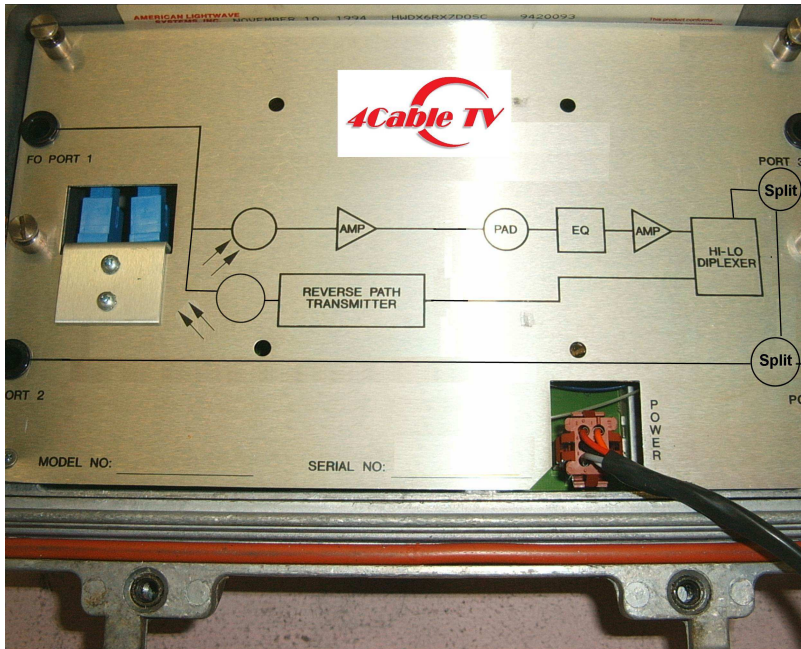
Single Output Hybrid

LOW CURRENT 550 mA

Starting at \$499.00

PowerMiser™

- Fits in C-Cor 4Output Housing
- Low Current Draw
- Higher Reliability due to Lower Heat
- High Output 52 dBmV @ 1GHz
- 1310 FP or DFB or 1550 DFB Laser
- Standard Antec LEQ type Linear EQ's and C-Cor Pads
- Plug in Diplexer for future split changes
- Breakthrough Low Current Technology
- Plug in splitters for 3 outputs, 1Hi(-3.5dB) and 2 Low(-7dB)



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	5	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			dBm		-5	
Minimum Light Output			mW		2	

DC Current Draw (max)	@24 Volts DC	mA	-	550	
AC Current Draw (max)	90 VAC	mA	-	200	
	60 VAC			268	
	50 VAC			308	
	40 VAC			390	
Noise Figure		dB	-	N/A	4.5
Distortion Measurements @ rated loading					
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	>80
Composite Second Order		dBc	-	71	>80
Carrier to Noise		dB	6	52	43
Cross Modulation		dBc	-	73	>80

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Notes:

1. Standard is no return laser, options include FP or 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. Onboard forward and reverse directional coupler test points
5. -4 dBm light input will give you a minimum of 48 dB C/N
6. -1dBm light input

Options:

option H	Housing	<i>add \$150.00</i>
option 000	FP Return Laser 1310 nm	<i>add \$100.00</i>
option 001	DFB Return Laser 1310 nm	<i>add \$250.0</i>
option 002	DFB Return Laser 1550 nm	<i>add \$250.0</i>

option 003	1550/1310 WDM installed	<i>add \$100.00</i>
option 004	Auto Power Down (Mute)	<i>add \$100.00</i>

Available now from stock to 4 weeks

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

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