

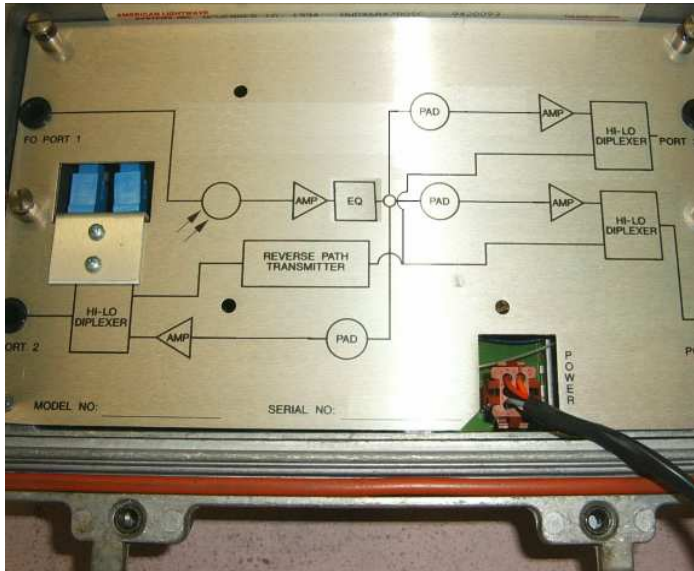


2 Year
Warranty

4C739N1GLC3 1 GHz NODE

Triple Output Hybrid

LOW CURRENT 1000 mA @ 24 Vdc



Starting at \$699.00

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
- Dual output Hybrids for higher output
- Full 52 dB output on port 2
- Full 52 dB output on port 2,3 and 4

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 | -2 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 | | - | 16 |
| | | 54-1003 MHz | | 16 | |
| Minimum Light Input | - | dBm | 6 | -4 | |
| Minimum Light Output | - | mW | | 2 | |
| DC Current Draw (max) | @24 Volts DC | mA | - | 1000 | |

| | | | | | |
|--|---------------|-----------|----------|---|------------|
| AC Current Draw (max) | 90 VAC | mA | - | 330 | |
| | 60 VAC | | | 525 | |
| | 50 VAC | | | 600 | |
| | 40 VAC | | | 800 | |
| Noise Figure | - | dB | - | N/A | 4.5 |
| Distortion Measurements @ rated loading | | | | | |
| Reference Frequencies | - | MHz | | 55/550/870/1GHz | T7-T12 |
| Output Levels | - | dBmV | 7 | 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 | 5 | 52 | 43 |
| Cross Modulation | | dBc | - | 73 | >50 |

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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. -2 dBm light input
6. -2 dBm light input for full output
7. 52dB out on port 2, 3 and 4

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 \$250.00</i> |
| option 002 | DFB Return Laser 1550 nm | <i>add \$250.00</i> |
| option 003 | 1550/1310 WDM installed | <i>add \$100.00</i> |

option 004 Auto Power Down (Mute) *add \$100.00*

Available now from stock to 4 weeks

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