

OPTICAL AMPLIFIERS SELECTION GUIDE

Finisar offers a wide selection of optical amplifiers, ranging in optical and electrical specification parameters, and in a variety of form factors and communications interfaces.

This selection guide seeks to help end-users to identify the amplifier(s) that best suit their application needs by providing an “at a glance” comparison of the specification parameters.

The part numbers referenced in the following tables represent a small portion of the full capabilities and offerings of our optical amplifier families. These tables include only the products that are available for purchase by any customer. Customized solutions for special applications are available upon request.

I UltraSpan® EDFAs

Finisar’s UltraSpan® family of optical amplifiers offer the power of optical amplification in a user-friendly, network-interfaced, rack-mountable platform. They are ideal for field deployment and integration in new or existing network elements. UltraSpan amplifiers can provide stand-alone amplification or work in conjunction with existing systems, complementing or enhancing their performance capabilities.



| Parameter | P/N→ | FOA-M2200PB-EFG1C-AA015 | | FOA-R2100PB-EPB2C-AA010 | | FOA-M2000PB-EFG2C-AA066 | |
|-------------------------------------|-------|------------------------------------|----------|--|----------|--------------------------------|----------|
| | Unit | Specification | | Specification | | Specification | |
| | | Min | Max | Min | Max | Max | Max |
| Form Factor | mm | 1RU Rack Mount 442x240x43.6 | | 1RU Rack Mount 442x240x43.6 | | 1RU Rack Mount 442x240x43.6 | |
| Amplifier Type | - | WDM FGA | | WDM FGA PowerBooster with OSC EDFA | | Dual WDM FGA EDFAs | |
| Operating Wavelength Range | nm | 1529.1 | 1564.2 | 1529.1 | 1564.2 | 1530 | 1564 |
| Input Power Range | dBm | -15 | 12 | -5 | 21 | -35 | 3 |
| Output Power Range | dBm | -2 | 18 | 5 | 26 | -8 | 20 |
| Saturated Output Power | dBm | 17 | | 25.5 | | 20 | |
| Settable Gain Range | dB | 5 | 18 | 5.5 | 6.5 | 17 | 29 |
| Optimal Flat Gain | dB | 17 | | 6 | | 23 | |
| Gain/Power Setting Accuracy | dB | -0.5 | +0.5 | | ±0.5 | | ±0.5 |
| Gain Flatness vs. Wavelength | dB | | ±0.6 | | ±0.75 | | ±0.6 |
| Dynamic gain tilt | dB/dB | | 0.85 | N/A | | | 0.9 |
| Gain / Power Stability | dB | | ±0.1 | | ±0.1 | | ±0.1 |
| Noise Figure (at OFG or equivalent) | dB | | 6.5 | | 9 | | 6 |
| Return loss | dB | 40 | | 40 | | 40 | |
| PDG | dB | | 0.3 | | 0.4 | | 0.3 |
| PMD | ps | | 0.3 | | 0.2 | | 0.3 |
| Multi-Path Interference | dB | | -40 | | -40 | | -40 |
| Laser Safety Classification | - | Class 1M | | Class 1M with APR | | Class 1M | |
| Optical Connectors | - | 2: In, Out | | 3: In, Out, Monitor Out | | 2: In, Out | |
| Operating Modes | - | AGC, APC, Manual | | APC, Manual | | AGC, APC, Manual | |
| Power Supply Voltage | V | 110 (AC) | 240 (AC) | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) |
| Power Consumption | W | | 40 | | 55 | | 50 |
| Operating Case Temperature | °C | -5 | 55 | -5 | 55 | -5 | 55 |
| Communications Protocol | - | Ethernet and RS-2132 | | Ethernet and RS-2132 | | Ethernet and RS-2132 | |
| Interface | - | SNMP v2 or web- based GUI | | SNMP v2 or web- based GUI | | SNMP v2 or web- based GUI | |
| Ethernet cable P/N | - | 18-10-0138R | | 18-10-0138R | | 18-10-0138R | |
| Power Cable P/N | - | 1133098 (US AC) 1133099 (EU AC) | | 18-10-0089R | | 18-10-0089R | |
| 19" Brackets Kit P/N | - | 50-60-0102-01R | | 50-60-0102-01R | | 50-60-0102-01R | |
| 21" Brackets Kit P/N | - | 50-60-0103-01R | | 50-60-0103-01R | | 50-60-0103-01R | |
| 23" Brackets Kit P/N | - | 50-60-0104-01R | | 50-60-0104-01R | | 50-60-0104-01R | |
| ETSI Brackets Kit P/N | - | 50-60-0105-01R | | 50-60-0105-01R | | 50-60-0105-01R | |

II Ultraspan Raman and ROPA

Finisar’s Ultraspan® family of Raman and ROPA optical amplifiers offer the power of optical amplification in a user-friendly, network-interfaced, rack-mountable platform ideal for field deployment and integration in new or existing network elements. Ultraspan amplifiers can provide stand-alone amplification or work in conjunction with existing systems, complementing or enhancing their performance capabilities.

| Parameter | P/N→ Unit | 1RU Platform | | | | | | 3RU Platform | | | | | | | |
|--------------------------------------|--------------|-------------------------------------|----------|-------------------------------------|----------|--------------------------------|----------|--------------------------------|----------|-------------------------------------|----------|---------------------------------|----------|---------------------------------|----------|
| | | FOA-R9100PR-RBW2C-AA003 | | FOA-R9100PR-RBW3C-AA004 | | FOA-R9200PR-RFW3C-AA037 | | FOA-R9400PR-RPA3C-AA001 | | FOA-R9100SA-RBW6C-AA016 | | FOA-R9100SA-RBW6C-AA015 | | FOA-R9400SA-RPA6C-AA017 | |
| | | Specification | | Specification | | Specification | | Specification | | Specification | | Specification | | Specification | |
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| Form Factor | mm | 1RU Rack Mount 442x240x43.6 | | 1RU Rack Mount 442x240x43.6 | | 1RU Rack Mount 442x240x43.6 | | 1RU Rack Mount 442x240x43.6 | | 3RU Rack Mount 448x239x132.4 | | 3RU Rack Mount 448x239x132.4 | | 3RU Rack Mount 448x239x132.4 | |
| Amplifier Type | - | Counter-Propagating Raman Amplifier | | Counter-Propagating Raman Amplifier | | Co-Propagating Raman Amplifier | | ROPA Pump Unit | | Counter-Propagating Raman Amplifier | | Co-Propagating Raman Amplifier | | ROPA Pump Unit | |
| Operating Wavelength Range | nm | 1528 | 1567 | 1529 | 1564 | 1529.2 | 1564.2 | 1533 | 1565 | 1528.2 | 1566.5 | 1528.2 | 1566.5 | 1532 | 1566.5 |
| Total Pump Power | mW | 450 | 490 | 680 | 710 | 680 | 710 | 800 | 840 | 1600 | 2000 | 1600 | 2000 | 1600 | 2000 |
| Input Signal Power Range (pumps off) | dBm | -45 | -10 | -44 | 5 | -10 | 26 | N/A | | -50 | 5 | -10 | 23 | -45 | 5 |
| Signal Insertion Loss | dB | | 1.6 | | 1.8 | | 1.8 | | 1.6 | | 1.8 | | 2 | | 2 |
| Nominal Gain for G.652 | dB | | 10 | | 14.5 | | 9 | N/A | | | 30 | | 27 | 22 | |
| Nominal Gain for Leaf | dB | | 13 | | 17.5 | | 10 | N/A | | | N/A | | N/A | N/A | |
| Nominal Gain for TrueWave | dB | | 15 | | 20 | | 11.5 | N/A | | | N/A | | N/A | N/A | |
| Nominal Gain for TeraLight | dB | | 14 | | 19 | | N/A | N/A | | | N/A | | N/A | N/A | |
| Spectral Gain Flatness | dB | | 1 | | 1.2 | | 1.2 | N/A | | 1.5 | 2.0 | | N/A | N/A | |
| Effective Noise Figure | dB | | -1 | | -0.5 | | N/A | N/A | | -4 | -2.5 | | N/A | N/A | |
| OSC Wavelength Range | nm | 1500 | 1520 | 1500 | 1520 | 1500 | 1520 | 1500 | 1520 | 1500 | 1520 | 1500 | 1520 | 1500 | 1520 |
| Raman Gain at OSC Wavelength | dB | 5 | | 10 | | 6 | | N/A | | 15 | | 12 | | N/A | |
| OSC Insertion Loss | dB | | 2.5 | | 1.8 | | 1.8 | | 1.8 | | 1.8 | | 1.8 | | 1.8 |
| Return loss | dB | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | |
| PDL | dB | | 0.15 | | 0.15 | | 0.15 | | 0.15 | | 0.2 | | 0.2 | | 0.2 |
| PDG | dB | | 0.6 | | 0.2 | | 0.2 | N/A | | | 0.3 | | 0.3 | | 0.3 |
| PMD | ps | | 0.2 | | 0.2 | | 0.2 | | 0.2 | | 0.2 | | 0.2 | | 0.2 |
| RIN (any pump) | dB/Hz | | -110 | | -110 | | -115 | | -110 | | -110 | | -110 | | -110 |
| Laser Safety Classification | - | Class 1M | | Class 1M with APR | | Class 1M with APR | | Class 1M with APR | | Class 1M with APR | | Class 1M with APR | | Class 1M with APR | |
| Optical Connectors | - | 4: In, Out, Monitor in, Monitor Out | | 3: In, Out, Monitor Out | | 3: In, Out, Input Monitor | | 3: In, Out, Output Monitor | | 3: In, Out, Output Monitor | | 3: In, Out, Output Monitor | | 3: In, Out, Output Monitor | |
| Operating Modes | - | AGC, Manual | | AGC, Manual | | AGC, Manual | | Manual | | AGC, Manual | | AGC, Manual | | Manual | |
| Power Supply Voltage | V | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) | -76 (DC) | -36 (DC) |
| Power Consumption | W | | 55 | | 55 | | 55 | | 155 | | 155 | | 155 | | 155 |
| Operating Case Temperature | °C | -5 | 55 | -5 | 55 | -5 | 55 | -5 | 55 | -5 | 55 | -5 | 55 | -5 | 55 |
| Communications Protocol | - | Ethernet and RS-2132 | | Ethernet and RS-2132 | | Ethernet and RS-2132 | | Ethernet and RS-2132 | | Ethernet and RS-2132 | | Ethernet and RS-2132 | | Ethernet and RS-2132 | |
| Interface | - | SNMP v2 or web-based GUI | | SNMP v2 or web-based GUI | | SNMP v2 or web-based GUI | | SNMP v2 or web-based GUI | | SNMP v2 or web-based GUI | | SNMP v2 or web-based GUI | | SNMP v2 or web-based GUI | |
| Ethernet cable P/N | - | 18-10-0138R | | 18-10-0138R | | 18-10-0138R | | 18-10-0138R | | 18-10-0138R | | 18-10-0138R | | 18-10-0138R | |
| Power Cable P/N | - | 18-10-0048R | | 18-10-0048R | | 18-10-0089R | | 18-10-0089R | | 18-10-0089R | | 18-10-0089R | | 18-10-0089R | |
| 19" Brackets Kit P/N | - | 50-60-0102-01R | | 50-60-0102-01R | | 50-60-0102-01R | | 50-60-0102-01R | | 50-60-0102-01R | | 50-60-0102-01R | | 50-60-0102-01R | |
| 21" Brackets Kit P/N | - | 50-60-0103-01R | | 50-60-0103-01R | | 50-60-0103-01R | | 50-60-0103-01R | | 50-60-0103-01R | | 50-60-0103-01R | | 50-60-0103-01R | |
| 23" Brackets Kit P/N | - | 50-60-0104-01R | | 50-60-0104-01R | | 50-60-0104-01R | | 50-60-0104-01R | | 50-60-0104-01R | | 50-60-0104-01R | | 50-60-0104-01R | |
| ETSI Brackets Kit P/N | - | 50-60-0105-01R | | 50-60-0105-01R | | 50-60-0105-01R | | 50-60-0105-01R | | 50-60-0105-01R | | 50-60-0105-01R | | 50-60-0105-01R | |



3RU Platform



1RU Platform

III Fixed Gain Amplifiers (FGAs)

Finisar’s Fixed Gain Amplifiers (FGAs) are typically single-stage EDFAs whose gain spectrum is either non-flattened, or flattened at a specific gain setting (Optimal Flat Gain). They can be used as boosters at the transmission side of a link, preamplifiers at the receive side, or inline amplifiers at the mid-span. Output power and gain can be controlled by the end user, and gain tilt occurs whenever the set gain differs from the OFG. In the following table “Single Channel” refers to non-gain flattened amplifiers, WDM to gain flattened ones.



| Parameter | P/N→ Unit | FOA-M1100MB-ESC1C-AA001 | FOA-M1500CB-ESC1C-AA011 | FOA-M2200CB-EFG1C-AA002 | FOA-M2200CB-EFG1C-AA003 | FOA-M2200CB-EFG1C-AA004 | FOA-M2200CB-EFG1C-AA005 | FOA-M2200CB-EFG1C-AA006 | FOA-M2200CB-EFG1C-AA007 | FOA-M2200CB-EFG1C-AA008 | FOA-M2300CD-EFV1C-AA009 | | | | | | | | | | | |
|-------------------------------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------|------|---------------------|---------|---------------------|---------|---------------------|------|---------------------|----------|-----|
| | | Specification | | Specification | | Specification | | Specification | | Specification | | Specification | | | | | | | | | | |
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | | | | | | | | |
| Form Factor | mm | 70x45x12 | | 90x70x15 | | 90x70x15 | | 90x70x15 | | 90x70x15 | | 90x70x15 | | | | | | | | | | |
| Amplifier Type | - | Single Channel | | OSC EDFA | | WDM FGA | | WDM FGA | | WDM FGA | | WDM FGA + Output VOA | | | | | | | | | | |
| Operating Wavelength Range | nm | 1528.77 | 1567.13 | 1504.5 | 1517.5 | 1529 | 1563 | 1528.77 | 1564 | 1528.77 | 1565 | 1529 | 1563 | 1528.77 | 1565.00 | 1528.77 | 1565.00 | 1529 | 1563 | 1529.5 | 1563 | |
| Input Power Range | Booster mode | dBm | -10 | 5 | -2 | 7 | -27 | 2 | -25 | 8 | -35 | -5 | -24 | 5 | -25 | 10 | -25 | 10 | -25 | 8 | -18 | 2 |
| | Pre-amp mode | | | | | | -35 | -3 | -40 | -5 | | | | | -32 | 0 | -35 | 0 | | | | |
| Output Power Range | Booster mode | dBm | 5 | 16 | 13 | -7 | 17 | -7 | 17.4 | -7 | 17 | -5 | 20 | -5 | 21 | -5 | 21 | -5 | 20.8 | -15 | 19 | |
| | Pre-amp mode | | | | | | -10 | 13 | -7 | | | 17.4 | | | -10 | 13 | | | | | | |
| Saturated Output Power | dBm | 16 | | +13 | | 17 | | 17.4 | | 17 | | 20 | | 20 | | 20 | | 21 | | 19 | | |
| Settable Gain Range | Booster mode | dB | 5 | 26 | N/A | N/A | 10 | 20 | 4 | 28 | 15 | 30 | 10 | 20 | 15 | 25 | 10 | 26 | 10 | 20 | 0 | 20 |
| | Pre-amp mode | | | | | | 13 | 25 | 13 | 33 | | | | | 13 | 25 | 15 | 30 | | | 15 | 33 |
| Optimal Flat Gain | dB | N/A | | N/A | | 15 | | 23 | | 23 | | 15 | | 22 | | 26 | | 20 | | 22 | | |
| Gain/Power Setting Accuracy | Booster mode | dB | -0.5 | +0.5 | -0.5 | +1 | -0.5 | 0.5 | -0.5 | 0.5 | -0.5 | 0.5 | -0.5 | 0.5 | -0.5 | 0.5 | -0.5 | 0.5 | -0.5 | 0.5 | -0.5 | 0.5 |
| | Pre-amp mode | | | | | | -0.5 | 0.5 | -0.5 | 0.5 | | | | | -0.5 | 0.5 | -0.5 | 0.5 | | | -0.5 | 0.5 |
| Gain Flatness vs. Wavelength | dB | N/A | | N/A | | | ±0.6 | | ±0.6 | | ±0.5 | | ±0.6 | | ±0.6 | | ±0.6 | | ±0.6 | | 1.5pk-pk | |
| Dynamic gain tilt | dB/dB | N/A | | N/A | | | ±0.06 | | 0.9 | | 0.9 | | 0.9 | | 0.9 | | 0.9 | | 0.9 | | N/A | |
| Gain / Power Stability | dB | -0.2 | 0.2 | -0.1 | 0.1 | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.1 | |
| Noise Figure (at OFG or equivalent) | dB | | 6.5 | | 8 | | 6 | | 5.5 | | 5.5 | | 6 | | 5.5 | | 5.5 | | 5.5 | | 5.5 | |
| Return loss | dB | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | | 40 | | |
| PDG | dB | | 0.5 | | 0.3 | | 0.5 | | 0.4 | | 0.3 | | 0.5 | | 0.4 | | 0.4 | | 0.5 | | 0.5 | |
| PMD | ps | | 0.3 | | 0.15 | | 0.3 | | 0.2 | | 0.3 | | 0.3 | | 0.2 | | 0.2 | | 0.3 | | 0.3 | |
| Multi-Path Interference | dB | | -40 | | -40 | | -40 | | -40 | | -40 | | -40 | | -40 | | -40 | | -40 | | -40 | |
| Laser Safety Classification | - | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | |
| Optical Connectors | - | 2: In, Out | | 2: In, Out | | 2: In, Out | | 3: In, Out, Out Mon | | 3: In, Out, Out Mon | | 2: In, Out | | 3: In, Out, Out Mon | | 3: In, Out, Out Mon | | 3: In, Out, Out Mon | | 3: In, Out, Out Mon | | |
| Operating Modes | - | APC, Manual | | APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | |
| Power Supply Voltage | V | 2.97 | 3.63 | 3.13 | 3.46 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 3.15 | 3.45 | 4.75 | 5.25 | |
| Power Consumption | W | | 2.5 | | 9.5 | | 8 | | 8 | | 8 | | 11 | | 11 | | 8 | | 12 | | 8 | |
| Operating Case Temperature | °C | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | |
| Communications Protocol | - | RS-232 | | RS-232 | | RS-232 | | RS-232 | | RS-232 LVTTTL | | RS-232 | | RS-232 LVTTTL | | RS-232 LVTTTL | | RS-232 | | RE-232 LVTTTL | | |
| Default Baud Rate | Baud | 9600 | | 19200 | | 19200 | | 9600 | | 19200 | | 19200 | | 19200 | | 19200 | | 19200 | | 57600 | | |
| Eval Board P/N | - | 1178581 | | 1185403 | | 1185403 | | 1185403 | | 1185403 | | 1185403 | | 1185403 | | 1185403 | | 1185403 | | 1185402 | | |
| Eval Board Cable P/N | - | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | |

IV Variable Gain Amplifiers (VGAs)

Finisar’s compact Variable Gain Amplifiers (VGAs) are available in two form factors. Compact VGAs combine the ubiquity of the EDFA MSA form factor (90x70mm) with the advanced feature of a variable gain range; with up to 20dBm output power. Other VGAs with a larger form factor enable more complex functions and higher output power (up to 23dBm). VGAs find their application as booster, pre, or inline amplifiers, and are all suitable for WDM applications, their gain spectrum being flat.



| Parameter | P/N→ Unit | FOA-M7300CD- EVG1C-AA002 | FOA-M7300CD- EVG1C-AA003 | FOA-M7300CD- EVG1C-AA004 | FOA-M7100DA- EVG2C-AA013 | FOA-M7100DA- EVG2C-AA014 | FOA-R7100DA- EVG2C-AA015 | | | | | | |
|------------------------------|--------------|-----------------------------|-----------------------------|---------------------------------|-----------------------------|--------------------------------------|-----------------------------|--------------------------------------|------|--------------------------------------|------|--------------------------------------|------|
| | | Specification | | Specification | | Specification | | Specification | | Specification | | | |
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | |
| Form Factor | mm | 90x70x16.5 | | 90x70x16.5 | | 90x70x16.5 | | 100x150x18 | | 100x150x18 | | 100x150x18 | |
| Amplifier Type | - | WDM VGA | | WDM VGA | | WDM VGA with Mid-stage access | | WDM VGA with Mid-stage access | | WDM VGA with Mid-stage access | | WDM VGA with Mid-stage access | |
| Operating Wavelength Range | nm | 1529.5 | 1564 | 1529.5 | 1564 | 1529.5 | 1564 | 1529.5 | 1564 | 1529.5 | 1564 | 1529.5 | 1564 |
| Input Power Range | dBm | -38 | 5 | -27 | 10 | -27 | 8 | -40 | -3.5 | -42 | 5 | -38 | 6 |
| Output Power Range | dBm | -8 | 17 | -8 | 19.5 | -8 | 18 | -2 | 20.5 | -5 | 20.5 | -2 | 23 |
| Saturated Output Power | dBm | 17 | | 19.5 | | 18 | | 20.5 | | 20.5 | | 23 | |
| Gain Range | dB | 15 | 30 | 10 | 25 | 10 | 25 | 25 | 40 | 17 | 40 | 17 | 40 |
| Gain/Power Setting Accuracy | dB | -0.25 | +0.25 | -0.25 | +0.25 | -0.25 | +0.25 | -0.5 | 0.5 | -0.4 | 0.4 | -0.4 | 0.4 |
| Gain Flatness vs. Wavelength | dB | | ±0.6 | | ±0.6 | | ±0.6 | | ±0.6 | | ±0.6 | | ±0.6 |
| Gain / Power Stability | dB | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.1 | | ±0.2 | | ±0.2 |
| Settable Gain Tilt Range | dB | -2 | 2 | -2 | 2 | -2 | 2 | -3.5 | 0 | -2 | 0 | -2 | 0 |
| Mid-Stage Loss | dB | N/A | | N/A | | 0 | 4 | 4 | 9 | 4 | 9.5 | 4 | 9.5 |
| Noise Figure ¹ | dB | 5.5 | 11.5 | 5.6 | 14.5 | 5.8 | 18.5 | 6.1 | 7.2 | 5.6 | 12.5 | 6.6 | 16.3 |
| Return loss | dB | 40 | | 40 | | 40 | | 45 | | 40 | | 40 | |
| PDG | dB | | 0.3 | | 0.3 | | 0.3 | | 0.3 | | 0.3 | | 0.5 |
| PMD | ps | | 0.3 | | 0.3 | | 0.3 | | 0.2 | | 0.2 | | 0.3 |
| Multi-Path Interference | dB | | -40 | | -40 | | -40 | | -40 | | -40 | | -40 |
| Laser Safety Classification | - | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M | | Class 1M with APR | |
| Optical Connectors | - | 3: In, Out, Out Mon | | 2: In, Out; 3: In, Out, Out Mon | | 5: In, out, Out mon, MSA in, MSA Out | | 5: In, out, Out mon, MSA in, MSA Out | | 5: In, out, Out mon, MSA in, MSA Out | | 5: In, out, Out mon, MSA in, MSA Out | |
| Operating Modes | - | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | | AGC, APC, Manual | |
| Power Supply Voltage | V | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 | 4.75 | 5.25 |
| Power Consumption | W | | 10 | | 13 | | 11 | | 17 | | 17 | | 26 |
| Operating Case Temperature | °C | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 | 0 | 70 |
| Communications Protocol | - | RS-232 | | RS-232 | | RS-232 LVTTTL | | RS-232 LVTTTL | | RS-232 LVTTTL | | RS-232 LVTTTL | |
| Default Baud Rate | Baud | 19200 | | 19200 | | 9600 | | 19200 | | 19200 | | 19200 | |
| Eval Board P/N | - | 1185403 | | 1185403 | | 1185403 | | 50-45-0069-01R | | 50-45-0069-01R | | 50-45-0069-01R | |
| Eval Board Cable P/N | - | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | | 18-10-0006R | |

Notes

1. Max NF at minimum gain setting; min NF at maximum gain setting



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.