

Key Features

Up to 8 Output Ports

Cost Effective Amplification

Low Power Consumption

Compact Form Factor
(70x90x15mm)

Uncooled Pump

ROHS Compliant

Applications

CATV

FTTx, PON

Free space, Broadband Access

Compact Multi-Port Gain Block

The Manlight Compact Multi-Port Gain Block for CATV and FTTx applications offers a cost effective solution in bringing the bandwidth closer to the end users. With a unique design based on Manlights in-house pump combiner and optical know-how, the high power amplifiers are optimized to offer high power and low noise figure with proven reliability and quality.

The output power can be distributed between 1 to 8 output ports. The use of efficient and reliable uncooled pump diodes allows the Manlight amplifiers to reach high output powers with low overall power consumption.



For more Info

Please contact us at:

North America: **514.748.4848**

888.922.1044

Europe & Asia: **+33 (0) 2 96 04 20 00**
or via e-mail at sales@3spgroup.com

Compact Multi-Port Gain Block



SPECIFICATIONS* OPTICAL CHARACTERISTICS

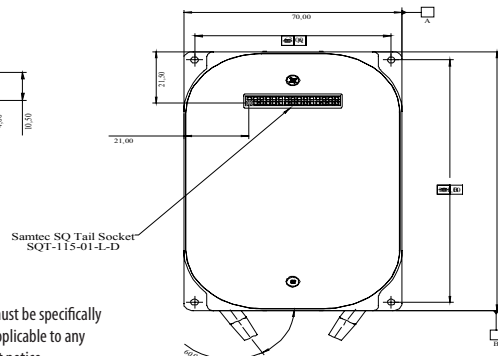
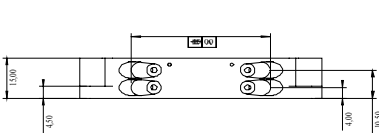
Parameters	4x18 dBm	4x20 dBm	8x18 dBm	8x20 dBm	Unit
Wavelength Range	1545 - 1565	1545 - 1565	1545 - 1565	1545 - 1565	nm
Output Power per Port	+18	+20	+18	+20	dBm
Number of Output Ports	4	4	8	8	
Input Power Range	0 to +15	0 to +15	0 to +15	0 to +15	dBm
Noise Figure @ 1550nm, +6dBm Input Power	6.5	6.5	6.5	6.5	dB
Port to Port Variation	0.4	0.4	0.6	0.6	dB
Polarization Mode Dispersion	0.3	0.3	0.4	0.4	ps
Polarization Dependent Gain	0.3	0.3	0.3	0.3	dB

ELECTRICAL & ENVIRONMENTAL CHARACTERISTICS

Power Consumption (typical)	4.5	6	9	10	W
Power Consumption (maximum, EOL)	10	11	14	15	W
Operating Case Temperature	0 to +65				°C
Storage Temperature	-20 to +75				°C
Operating Humidity (non-condensing)	20 - 85				% RH

MECHANICAL CHARACTERISTICS

Mechanical Dimensions	70x90x15 70x108x15	70x90x15 70x108x15	70x90x15 70x108x15	70x108x15	mm
-----------------------	-----------------------	-----------------------	-----------------------	-----------	----



Please note: information in this document is typical and must be specifically confirmed in writing by your supplier before it becomes applicable to any order or contract. Information is subject to change without notice.
©2011 3S PHOTONICS S.A.S.

ORDERING INFO

Please contact your Sales Manager. 3SPGroup can also develop custom products to meet a wide range of technical requirements.

Revised March 2012



3SPGroup
North America: 514.748.4848
888.922.1044

Europe and Asia: +33 (0) 2 96 04 20 00
www.3spgroup.com • sales@3spgroup.com