



# CGOA2S

## 1.5 $\mu\text{m}$ High Power Optical Amplifier Space Grade

- Free Space Communication

- **High Output Power, up to 2W**
- **Digital Control System**



### KEY SPECIFICATIONS

Wavelength [nm]	1535 to 1565	Power Consumption [W]	< 20
Output Power [dBm]	Up to 33	Power Supply Voltage [V]	5
Input Power Range [dBm]	0 to 5	Fiber Length [cm]	30
Gain [dB]	28	Output Termination	FC/APC
Noise Figure [dB]	6	Operating Case Temperature [°C]	-5 to 65
Output Power Stability [%]	< 2	Communication Interface	RS-232
Optical Isolation [dB]	30	Dimensions [mm]	98×98×15
Return Loss [dB]	40	Mass [gms]	200
Polarization	Random / Linear		

#### CERTIFICATION AND COMPLIANCE

The module complies with the European low voltage directive 2006/95/EC as elaborated by standard EN 60950-1 and with the directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

#### ORDERING INFORMATION

Custom variants are available upon request, please contact our customer service to discuss your specification requirements  
Evaluation board available upon request.