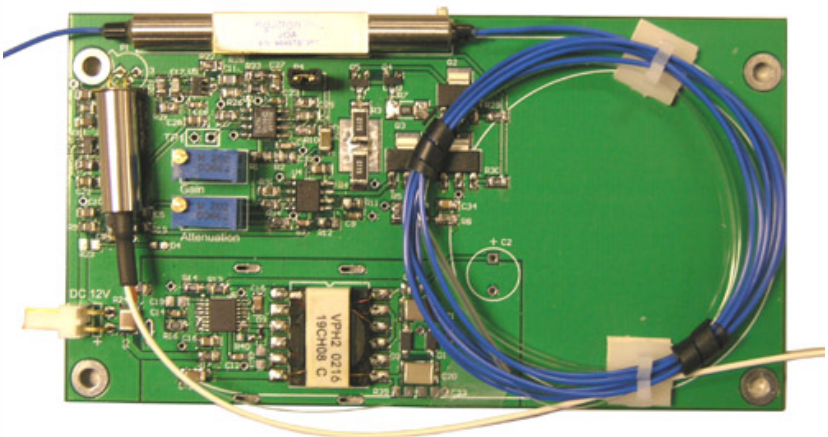
Optical Power Regulator

Product Description

The optical power regulator, based on a high performance variable fiber optical attenuator and high precision control circuits, provides a tunable optical output power and maintain it to counter the power fluctuations caused by PDL and other sources. The optical power regulator is designed to meet the most demanding operation requirements of ultra-high reliability and fast response to provide an ultimate solution for optical power stabilizing and limiting. Agiltron also offers customized and embeddable electronic designs to meet special control applications.



Features

- No Moving Parts
- High Reliability
- Solid-State High Speed
- Low Insertion Loss
- Epoxy-Free Optical Path
- Low Power Consumption
- Simple Driver

Applications

- Power Control
- Power Regulation
- Power Balance
- Instrumentation

Performance Specifications

OPR	Min	Typical	Max	Unit
Wavelength	400		1800	nm
Insertion Loss		0.5	1.0	dB
Dynamic Range			25	dB
Return Loss	45	50		dB
Response Time			500	ns
Power Adjustment Resolution		Continous		dB
Operating Optical Power			500	mW
Operating Temperature		-5* ~ 70		^{o}C
Storage Temperature		-40 ~ 85		^{o}C
Fiber Type		SMF-28		

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Ordering Information

NOPR-	1 1	☐	1	1	1	☐	☐	☐
	Type	Wavelength	State	Package	Fiber Type		Fiber Length	Connector
		1310 = 3 1550 = 5 Special = 0			SMF-28 =1 Special=0	Bare fiber =1 900um loose tube=3 Special=0	0.25m= 1 0.5m = 2 1.0 m= 3 Special =0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0