

FDAMP forward amplifier module

Description

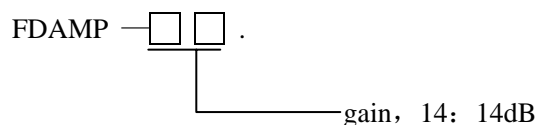
FDAMP series plug-in forward amplifier module is one of application module in OPT1000 optical transport platform. Using hybrid amplifier module with high performance and reliability. The amplifier's main function is to boost RF signal levels with excellent linearity. Configured in a standard OPT1000 transport chassis, an amplifier occupies one module slot in the OPT1000 transport shelf.



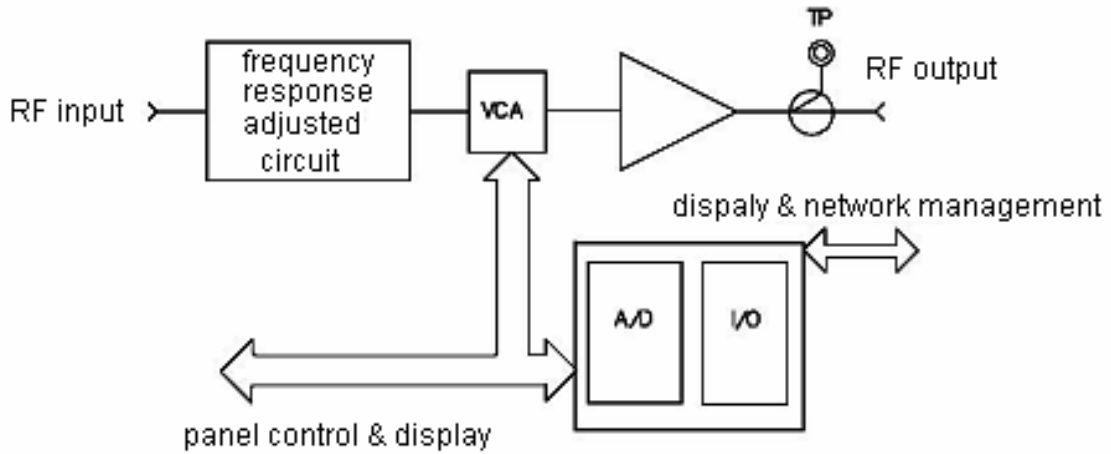
Features

- You can use the manual gain control, accessible through the front panel, to adjust the RF output level (0~-12dB).
- Included frequency response adjusted circuit.
- CPU control, the module operation state is indicated on the front panel.
- The unique thermal design of the housing provides superior heat dissipation, extending product life and enhancing reliability.

Product identification system



Block diagram



Specifications

Item	Note	FDAMP-14	Unit
Electrical			
bandwidth		47~862	MHz
Response flatness		±0.5	dB
Return loss		≥16	dB
Output impedance		75	Ω
Rated RF gain		14	dB
Rated RF output level		95	dB
Manual output level adjustment range	1	0~-12	dB
RF test point		-20±1	dB
CTB (composite triple beat)	2	>79	dB
CSO (composite second order)	2, 3	>70	dB
NF(noise figure)	4	≤11	dB
Power consumption		<12	W
Operating temperature		0~50	°C
Dimensions		40.5×118.5×424	mm
Weight		1.5	kg

- Notes
- 1:generally within 0~-4 dB range.
 - 2:with rated RF output level, measured at 59 PAL signal.
 - 3:with manual output level adjusted 0~-4 dB range.
 - 4: with rated RF gain states.