

COMMSCOPE FA3527M, FA3530M, FA3533M

OPTISCHE HOCHLEISTUNGS-MULTIPORT VERSTÄRKER

Die COMMSCOPE FA3527M, FA3530M und FA3533M sind optische 1550 nm Hochleistungs-Multiportverstärker. Die hohe Ausgangsleistung dieser Verstärker ist optimal für Videoübertragung in RFoG und RFON Netzwerken. Die 8-Port Verstärker FA3527M und FA3530M EDFA im Headend verstärken und liefern das 1550nm Broadcast-Video-Signal zu über 250 stationären Kunden über 8 typische RFoG Netzwerk-Segmente, wobei jedes mit 32 Endpunkt-Geräten verbunden ist.

Der 16-Port FA3533M verstärkt und liefert das 1550nm Broadcast-Signal an über 500 Kunden über 16 typische RFoG Netzwerk-Segmente, wobei jede mit 32 Endpunkt-Geräten verbunden ist.



- Hochleistungs-Multiport-EDFAs für RFoG und RFON Anwendungen
- FA3527M: Bis zu 18dBm Ausgangsleistung an jedem der 8 Ports
- FA3530M: Bis zu 21dBm Ausgangsleistung an jedem der 8 Ports
- FA3533M: Bis zu 21dBm Ausgangsleistung an jedem der 16 Ports
- Laser On/Off Interlock Schalter an der Vorderseite
- Hot plug-In/Out
- Status-Monitoring vor Ort oder über Fernsteuerung möglich

SPEZIFIKATIONEN

PHYSICAL		GENERAL	
Dimensions (without connectors) Three-slot wide versions of FA3530M and FA3533M Four-slotwide versions of FA3527M and FA3533M	13.0" D x 4.3" H x 3.0" W (3RU) (33 cm x 11cm x 7.5cm)	Modes of operation	constant current
		Output power alignment	manual
		Hot plug-In/Out	
	13.0" D x 4.3" H x 4.0" W (4RU) (33 cm x 11cm x 10.2cm)	OPTICAL INTERFACE	
		Optical connector	
		Three-slot wide versions of FA3530M and FA3533M	LC/APC (at Back Plate BP-F14 for FA3530M or BP-F12 for FA3533M)
		Four-slotwide versions of FA3527M and FA3533M	SC/APC (at Back Plate BP-F11 for FA3527M or BP-F10 for FA3533M)
OPTICAL			
ENVIRONMENTAL		Input signal wavelength	1540–1565 nm
Operating temperature range	0°to +50°C (32°to 122°F)	Input power range	–10 to +10 dBm
Storage temperature range	–40° to +85°C (–40° to 185°F)	Optical signal path isolation	> 30 dB
Humidity	5% to 95% non-condensing	Output power stability	±0.3 dB
		Output power adjustment range	–3.0 dB from nominal output power, min

PERFORMANCE PARAMETERS			
Model Number	Power		
	Output Power, nominal (dBm)	Consumption, max (Watts)	Noise Figure, max ¹ (dB)
FA3527M	8 x 18	50	6.0
FA3530M	8 x 21	40	6.5
FA3533M	16 x 21	80	6.5

NOTE:

1. Measured optically at 0 dBm input, $\lambda = 1550$ nm in vacuum, $T_A = 25^\circ\text{C}$

BESTELLINFORMATIONEN

F A 3 5 2 7 M - 0 8 - 0 0 A S

Multiport Fiber Amplifier (EDFA)

8 Ports

Reserved Fields

AS = SC/APC Connectors

Required Module Back Plate

B P - F 1 1

(Included with module)



F A 3 5 3 0 M - 0 8 - 0 0 A L

Multiport Fiber Amplifier (EDFA)

8 Ports

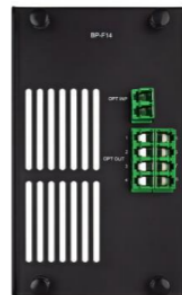
Reserved Fields

AL = LC/APC Connectors

Required Module Back Plate

B P - F 1 4

(Included with module)



F A 3 5 3 3 M - 1 6 - 0 0 * *

Multiport Fiber Amplifier (EDFA)

16 Ports

Reserved Fields

* AS = 4-slot wide version, SC/APC Connectors,

* AL = 3-slot wide version, LC/APC Connectors

Required Module Back Plates

B P - F 1 0

(Included with FA3533M-16-00-AS module)

B P - F 1 2

(Included with FA3533M-16-00-AL module)

