

ACP8744 4CH Multi-Mode Variable Optical Attenuator



ACP8744 4CH Multi-mode Variable Optical Attenuator offers superior performances for channel balancing, power equalization, gain tilting and power adjustment of DWDM systems, optical amplifiers such as EDFA, and general purpose fiber optical test and measurement applications.

ACP8744 provides 0 ~ 35dB of continuous attenuation range. It's a high performance, small dimension, fast startup, and affordable optical attenuator, and has low power, high power, single channel and multi-channel optical attenuator modules options. We also can provide high channel count solutions up to 16 channels.

PERFORMANCE SPECIFICATIONS

Parameter	Specifications
Model #	ACP8744
Channel Number	4CH
Wavelength Range	850/1310nm
Attenuator Range	0 ~ 35dB
Insertion Loss	<2.5dB
Fiber Type	50/125um MMF (62.5/125 Option)
Connector Type	FC/UPC Connector
Attenuator Accuracy	$\leq \pm 0.25\text{dB}$ (Typ.) (0 ~ 30 dB)
Repeatability	$\leq \pm 0.05\text{dB}$
Attenuation Transition Speed	≤ 0.1
Polarization Mode Dispersion	0.1 ~ 50dB/s
Return Loss	>25dB
Averaging Time of Monitor Power	2~1000 ms
Power Settling Time	200ms
Maximum Safe Input Power	+20dBm
Recalibration Period	2 years
Operation Temperature	0 ~ +40°C
Storage Temperature	-30 ~ +80°C
Power Supply	100 ~ 240 V
Package Dimensions (HxWxD)	110mm x 235mm x 310mm
Weight	3.0kg

FEATURES

- Continuous Tuning without Moving Parts
- Quick Startup
- Resistance of Mechanical Vibration
- Small Dimension
- Affordable Price

APPLICATION

- Channel Balancing for DWDM Systems
- Power Equalization in Optical Add/Drop Modules
- Gain Tilting and Power Adjustment in EDFA
- Receiver protection

ACP8744 4CH Multi-Mode Variable Optical Attenuator

ACP8744 GUI INTERFACE

Attenuator 1 -> 2	Attenuator 3 -> 4	Attenuator 5 -> 6	Attenuator 7 -> 8
-64.99dBm	-64.99dBm	-64.99dBm	-65.00dBm
Output 	Output 	Output 	Output 
α set 40.00dB	α set 40.00dB	α set 40.00dB	α set 40.00dB
P set -40.00dBm	P set -40.00dBm	P set -40.00dBm	P set -40.00dBm
Power Control OFF	Power Control OFF	Power Control OFF	Power Control OFF
Wavelength 850nm	Wavelength 850nm	Wavelength 850nm	Wavelength 850nm
Avg Time 20ms	Avg Time 20ms	Avg Time 20ms	Avg Time 20ms
α Offset 0.00	α Offset 0.00	α Offset 0.00	α Offset 0.00
P Offset 0.00	P Offset 0.00	P Offset 0.00	P Offset 0.00

ACP8744 GUI11123002

