

Fiber Optical Distribution

4000 - 4001 Optical headend

This Optical Compact Headend converts 2 wideband satellite inputs into 2 wavelengths (1310nm – 1330nm) and puts them on 1 optical feed. The output signal is strong enough to support huge installations, with up to 128 passive splits. The 4001 Optical Compact Headend converts 1 input to 1550nm optical wavelength.

4000 | 4001

4000:

- 2 wideband V/H inputs
- frequency range: 5 - 2400 MHz
- 1 optical output (wavelengths: 1310nm (V) - 1330nm(H))
- 9 dBm output power

4001:

- 1 wideband input
- frequency range: 5-2400 MHz
- 1 optical output (wavelength 1550nm)
- 9 dBm output power
- optical input for loopthrough (from ref. 4000)



		4000	4001
Inputs	-	2 RF	1 RF + 1 optical (loopthrough from ref. 4000)
Outputs	-	1 Optical	
Optical wavelength	nm	1310 1330	1550
Frequency range	MHz	5 - 2400	
Optical output power	dBm	+9 per wavelength	
Ripple	dB	+/- 2.5	
Optimal input level*	dBμV	SAT: 80 per transponder TERR.: 70 per MUX	
Input attenuator	dB	0 - 15	
Laser type	-	DFB	
Laser LED control	-	Internal Green LED on	
LNB power supply	-	12.8V / max. 240 mA	
Power consumption without LNB power	W	9.0	6.0
Power supply	VAC	200 - 240	
Optical connector type	-	SC/APC	
RF connectors	-	F-female	
Operating temperature range	°C	-20 to +55	
Protection class	-	IP 50	
Dimensions	mm	225 x 190 x 86	
Weight	kg	1.800	

*Optimal input level with input attenuator set to 0 dB