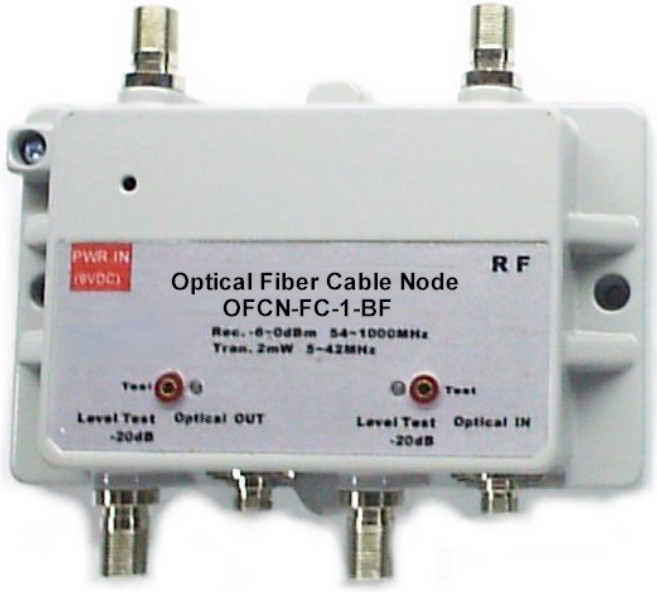

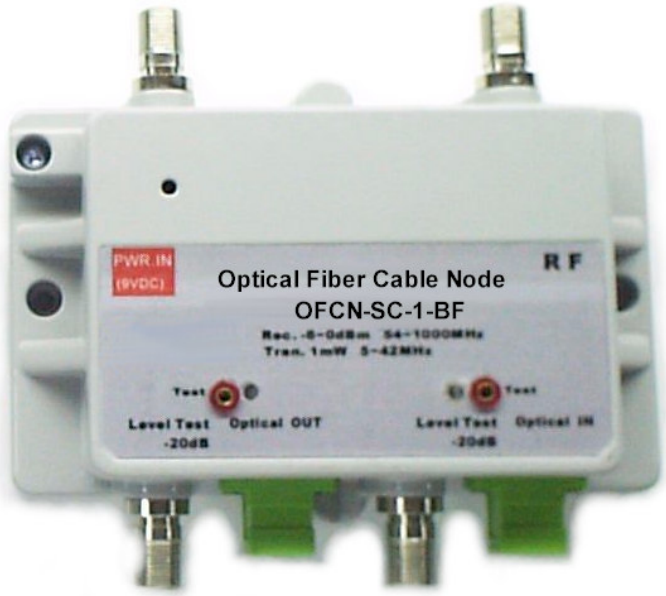

Our OFCN series optical fiber cable node converts the signal from optical fiber to coaxial cable for FTTH networks.

Features:

- Photo- Electric conversion of signal
- Laser wavelength 1310 nm
- Upstream frequency 5-30/42/55/65/ MHz
- Downstream frequency 47/54/70/85-1000 MHz
- Upstream optical transmission power: 1 /2/ 3 or 4 mW
- Indicator LED for operation state
- FC / APC or SC / APC fiber connection option
- Power adapter included

OFCN specifications

Optical	Min	Typical	Max	
Receive Optical power	-6		+2	dBm
Wavelength	1200		1600	nm
Optical power inspection	0.95	1	1.05	mw/W
Optical connector	FC / APC or SC / APC			

RF Downstream	Min	Typical	Max	
Frequency Range	47 /54 /70 /85		1000	MHz
Flatness	0.5	0.75	1	dB
CNR	49	51		dBc
CSO		-62		dBc
CTB		-65		dBc
Return Loss	18	20		dB
Monitor Level	-22	-20	-18	dBc

Laser Downstream	Min	Typical	Max	
Wavelength	1300		1600	nm
Input power	-6		+2	dBm
Monitor power	0.8	1	1.2	mW/V
State Green	Optical power > -6 dBm			
State Red	Optical power < -6 dBm			

RF Upstream	Min	Typical	Max	
Frequency Range	5		30/42/55/65	MHz
Flatness	0.5	0.75	1	dB
Return Loss	18	20		dB
Monitor Level	-22	-20	-18	dBc
Input power		80		dBuV

Laser Upstream					
Optical Power	1	2	3	4	mW
CNR based on 10 dB optical link	46	48	50	51	dBc
2nd Intermodulation on 2 channels	-55	-55	-55	-55	dBc
Third Intermodulation on 2 channels	-60	-60	-60	-60	dBc
State Green	Laser Operation OK				
State Red	Output power below 50%				
Power Inspection	0.8		1	1.2	Vdc/mW

General Parameter	
Operating Temperature	-40 ~ 60 c
Power supply	15 VDC 200 mA
Surge withstand RF in / out ports	6kV, 8/20 us combo wave 3kA
	100 kHz ring wave 200A
Dimension	130x106x34 mm

- Specifications subject to change without notice. v8.00

Ordering Information:

OFCN

- Upstream: E,F,G,H (see code table)
- Downstream: A,B,C,D (see code table)
- 1 / 2 / 3 / 4 mW
- SC for SC / APC adaptor or FC for FC/APC adaptor

code	MHz
A	30
B	42
C	55
D	65
E	47
F	54
G	70
H	85