Fiber Surf™ **XON50.C**

CATV

BKtel's *Fiber Surf*™ XON50.C delivers full-spectrum CATV in FTTH (Fiber-To-The-Home) access networks , allowing up to 15 kilometers single-mode fiber connectivity.

Sophisticated Technology	❖ broadband CATV reception with high output level (capable to supply multiple TV sets)
Compact	❖ small size and wall mountable, ideal for apartment or basement installation
Solid	❖ strong durable metal case securely protects sensitive fiber optics and electronics
Modular	❖ combined with the *Fiber Surf*™ XON10 Fiber Protection Unit easy interchangeable with other units of the *Fiber Surf*™ product family

Key Features

▶ Optical CATV home receiver for multichannel television and radio signals like AM-VSB, FM and QAM

▶ Ultra low noise push-pull technology

▶ Very low distortion

▶ Wide range of optical input power

▶ Single-mode fiber, high return loss optical interface

▶ F-female 75 Ohm RF output

Specifications

CATV Receiver Module

Fiber type	Single mode 9/125 μm
Optical connector	SC/APC
Optical input wavelength	1280 ...1600 nm
Optical input power	typ. −10 dBm
RF impedance	75 Ω
RF bandwidth	47 … 862 MHz
Receiver noise current	4,5 pA/√Hz
RF output level *	≥ 88 dBμV
Cable Television Interface	F female, 75 Ohm
Physical and Environmental	
Dimensions (Height, Depth, Width)	150 mm x 33 (44) mm x 242 mm
Weight	1360 g
Power Supply	24 VAC/0.75 A
Power Consumption	<10W
Installation Requirements	*FiberSurf*™ XON10.W Fiber Protection Unit External plug-in wall adapter, input: 220-240VAC/50-60Hz, output 24VAC

*) @-5 dBm, 1550 nm, OMI = 4%