

# *FiberSurf*<sup>TM</sup> **XON50.C**

## CATV



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

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|--------------------------|---|
| 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 <i>FiberSurf</i> <sup>TM</sup> XON10 Fiber Protection Unit easy interchangeable with other units of the <i>FiberSurf</i> 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**

<b>CATV Receiver Module</b>	
Fiber type	Single mode 9/125 $\mu$ m
Optical connector	SC/APC
Optical input wavelength	1280 ... 1610 nm
Optical input power	Min. -10 dBm, Max. -3 dBm
RF impedance	75 $\Omega$
RF bandwidth	47 ... 1000MHz
Receiver noise current	Typ. 4pA/ $\sqrt$ Hz
RF output level	$\geq$ 88 dB $\mu$ V @ -5 dBm optical input level, 4% OMI
<b>Cable Television Interface</b>	F female, 75 Ohm
<b>Physical and Environmental</b>	
Dimensions (Height, Depth, Width)	150 mm x 33 mm x 242 mm
Weight	<1,4 kg
Power supply	5 VDC /0.25 A, 6 VDC /0.25 A
Power consumption	<1.5W
Installation requirements	<i>FiberSurf</i> <sup>™</sup> XON10.W Fiber Protection Unit External plug-in wall adapter, input: 220-240VAC/50-60Hz, output 5 (6) VDC