

*FiberSurf*TM **XON50.SAT22**

CATV + SAT



BKtel's *FiberSurf* XON50.SAT22 delivers full-spectrum CATV and SAT-IF up to 2400 MHz in Fiber-To-The-Home access networks, allowing up to 30 kilometers single-mode fiber connectivity.

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| Sophisticated Technology | ❖ broadband CATV and SAT-IF 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> XON10 Fiber Protection Unit easy interchangeable with other units of the <i>FiberSurf</i> product family |

Key Features

- ▶ Optical home receiver for multichannel television and radio signals like AM-VSB, FM, QPSK and QAM up to 2400 MHz
- ▶ 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 , -3dBm max
Flatness	± 2.5 dB
RF impedance	75 Ω
RF bandwidth	47 ... 2400 MHz
Receiver noise current	typ. 6 pA/ $\sqrt{\text{Hz}}$
RF output level *)	≥ 80 dB μV @ -5 dBm optical input power
Television Interface	
	F female, 75 Ohm
Physical and Environmental	
Dimensions (Height, Depth, Width)	150 mm x 33 mm x 242 mm
Weight	1360 g
Power Supply	5V/0.22A
Power Consumption	<1.5W
Installation Requirements	<i>FiberSurf</i> [™] XON10.W Fiber Protection Unit External plug-in wall adapter, input: 220-240VAC/50-60Hz, output 5VDC