



# TKS860AOR-220(60)

## Outdoor Optical Receiver with AGC

### Product Description

TKS860AOR-220(60) is our latest 860/1000MHz outdoor optical receiver. Due to its advantages as: very wide range of the input optical power, high output power and low power consumption, it becomes in one of the best solutions for building up of the high-performance CATV network.



### Features

- Adopt advanced optical AGC technique, optical AGC control works: up to - 9 dBm (adjustable);
- Operating RF range is extended up to 860MHz/1GHz, RF amplifier part adopts the high-performance and low-power consumption GaAs hybrid chip, the maximum output level is up to 116dBμV;
- EQ and ATT use new design electric control circuit, making the control more accurate;
- Built-in the Ethernet transponder, support remote network management (optional);
- Compact structure, convenient installation, it is the first choice equipment of FTTB CATV network;
- Built-in high reliability low power consumption power supply.

### Technical Specification

RF Parameters			
C/N	dB	51	42-channel channel plan, -2dBm input optical power
C/CTB	dB	67	
C/CSO	dB	62	
Frequency Range	MHz	45 ~ 862/1003	
Flatness in Band	dB	± 0.75	
Rated Output Level	dBμV	108	
Max Output Level	dBμV	112 @ -9dBm AGC 116 @ -7 dBm AGC	
Output Return Loss	dB	16	
Output Impedance		75	
EQ control range	dB	0 ~ 15	
ATT control range	dB	0 ~ 15	

Optical Parameters		
Optical Input Power	dBm	- 9 ~ +2
AGC Control Range	dBm	up to - 9dBm (adjustable)
Optical Return Loss	dB	> 45
Optical Wavelength	nm	1100 ~ 1600
Connector Type		SC/APC
Fiber Type		Single mode
General Characteristics		
Power Voltage	V	AC 150 ~ 265V AC 35 ~ 90V
Operating Temperature	°C	-40 ~ 60
Consumption	VA	14
Dimension	mm	235 x 150 x 108

KST Ltd.

Address: 357 Slivnitsa Blvd.,  
Sofia, Bulgaria

Tel: +359 2 927-72-56  
Fax: +359 2 927-00-14

Web: [www.kst-bg.com](http://www.kst-bg.com)  
E-mail: [sales@kst-bg.com](mailto:sales@kst-bg.com)