



TKS1000AOR-FPON

FTTH PON Optical Receiver

Product Description

TKS1000AOR-FPON optical receiver is a featured product which is specially designed for fiber to the home network structure. It is placed in small housing, with compact and reasonable internal circuit structure and excellent performance indicators. It is the first choice for residential area and home fiber optic network.

Features

- 1003MHz bandwidth design.
- Automatic Gain Control up to -8dBm
- 5V DC voltage power supply, low power consumption



Technical Specification

Item	Unit	Technical Parameter	
Optical Parameters			
Optical Receiving Power	dBm	-15 ~ +2	
AGC Range	dBm	-8 ~ +2	
Optical Return Loss	dB	> 45	
Optical Receiving Wavelength	nm	1550nm	
Optical Connector Type		SC/APC	
Fiber Type		Single Mode	
Link Performance			
C/N	dB	51	@Pin= -1dBm, Pout=82dBμV,
C/CTB	dB	65	84CH PAL-D, OMI=3.8%
C/CSO	dB	62	
RF Parameters			
Frequency Range	MHz	45~1003	
Flatness in Band	dB	±0.75	
Output Level	dBμV	82 (AGC: @-8~+2dBm) / (MGC: @-8dBm)	
Output ATT range*	dB	0~20 (Valid in MGC state)	
Output Return Loss	dB	16	
Output Impedance		75	
Consumption	W	<1.2	
Operating Temperature	°C	-20 - +55	
Dimension	mm	104 x 85 x 25	

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