

OPTICAL RECEIVER [OR4x-x]

Fiber Products, Receivers

Taikan
ESTD. 1973

Features

- Headend 19 in. Rack Mount Enclosure
- Supports 4 Optical Receiver Modules
- LED Status Monitor Indicators for Each Module
- RF Test Point Provided on Back Panel
- RF Output Level can be Adjusted
- Adjustable Attenuator Located on Front Panel
- Power of 135 ~ 250 VAC
- Weight of 3kg / 7lbs
- Dimensions (LxWxH) of 483. x 385 x 44 mm (19 x 15 x 1.75 in.)



Ordering Information

OR4 x - x

SA for SC/APC adapter or FA for FC/APC adapter

Optional: L for LCD screen version

Model Number	Description	Box Weight
OR4x-x	Optical Receiver	3 kg / 7 lb

Optical Features

Output Wavelength	1200 ~ 1600 nm
Optical Input Range	-22 ~ 0 dBm
Optic Connector Type	Std: SC/APC or Option: FC/APC

RF Features

RF Bandwidth	5 ~ 200 MHz
Adjustable Output Level Attenuation	0 ~ -20 dB
Connector Type	"F" type

**Standard Warranty: Three Years

© Copyright 2020 Taikan Company Inc. All rights reserved. This document is for information only. Features and specifications are subject to change without notice. v07212020

919 E. 29th St. Lawrence, KS USA 66046 // Phone: 1-800-255-0247 // Fax: 785-841-9512 // sales@taikan.com // www.taikan.com

OPTICAL FORWARD PATH RECEIVER [ORL-F-x]

Fiber Products, Receivers

Taikan
ESTD. 1973

Features

- Headend 19 in. Rack Mount Enclosure
- Phillips Optical Receiving Module
- Optional Placement of the Optical & RF Connectors (Either Front or Back)
- Convenient to Use LCD Screen
- Wide Operating Temperature Range
- SC/APC or FC/APC Connector Options



Ordering Information

ORL - F - x
SA for SC/APC adapter or FA for FC/APC adapter

Model Number	Description	Box Weight
ORL-F-x	Optical Forward Path Receiver	3 kg / 7 lb

Optical Features

Output Wavelength	1310 ~ 1600 nm
Receiving Power	-5 ~ 3 dBm
Return Loss	≥ 55 dB
Optic Connector Type	Std: SC/APC or Option: FC/APC

RF Features

Work Bandwidth	45 ~ 862 MHz
Output Level	≥ 96 dBuV (-1 dBm receive)
Flatness	≤ ± 0.5 dB
Output Level Adjustable	0 ~ 20 dB (MGC)
Return Loss	≥ 16 dB (750 MHz)
Connector Type	75 Ω

Link Features

Test Channel	PAL-D/59ch
CNR	≥ 52 dB (10 km fiber, -1 dBm receive)
CTB	≤ -67 dB
CSO	≤ -62 dB

General Features

Power Supply	90 ~ 265 VAC (-48 VDC selectable)
Power Consume	≤ 50 W (single power work)
Work Temp.	-5 ~ 65 °C (23 ~ 149 °F)
Storage Temp.	-40 ~ 85 °C (-40 ~ 185 °F)
Relative Humidity	5 ~ 95%
Size (W)x(D)x(H)	483x196x44 mm (19x7.7x1.75 in.)

**Standard Warranty: Three Years

© Copyright 2020 Taikan Company Inc. All rights reserved. This document is for information only. Features and specifications are subject to change without notice. v07212020

919 E. 29th St. Lawrence, KS USA 66046 // Phone: 1-800-255-0247 // Fax: 785-841-9512 // sales@taikan.com // www.taikan.com

RFoG OPTICAL RECEIVER [RORxL-x]

Fiber Products, Receivers

Features

- 19" 1RU Rack Mount
- Supports 256 RFoG Mini Nodes Per Port
- 1200~1620 nm Band Wavelength
- Supports Burst Mode or CW Operation
- Adjustable RF Output Level
- Built-in Backup Power, Redundant A/B Inputs
- Excellent Port to Port Ratio
- 4 or 8 Low Noise Optical Receivers; up to -32 dBm Receive Sensitivity
- Compatible with any Technology of FTTx PON; EPON/GEPON, GPON, BPON, DPON



Ordering Information



Optical Features

Output Wavelength	1200 ~ 1620 nm
Responsivity	1310: 0.85 A/W 1550: 0.90 A/W 1610: 0.80 A/W
Optical Link Budget Loss	29 dB
Receiving Power	-29 to -13 dB
Return Loss	50 dB
Optical connector	Std: SC/APC or Option: LC/APC

RF Features

RF Bandwidth	5 ~ 200 MHz (or 5 ~ 100 MHz)
RF Output Level	30 ~ 60 dBmV
RF Gain Adjustable	-30 - 0 dB
Flatness	-0.75 ~ 0.75 dB
Return Loss	16 dB
RF Test Point/Monitor	-20 dB
Power Supply	90 ~ 265 V AC, -30 ~ -72 V DC
Power Consumption	12 W

General Features

Operating Temp.	-40 °C to 65 °C (-40 °F to 149 °F)
Relative Humidity	5 ~ 95 %
Size (W)x(D)x(H)	483 x 305 x 44 mm (19 x 12 x 1.75 in.)

**Standard Warranty: Three Years

© Copyright 2020 Taikan Company Inc. All rights reserved. This document is for information only. Features and specifications are subject to change without notice. v07212020