TRIAX

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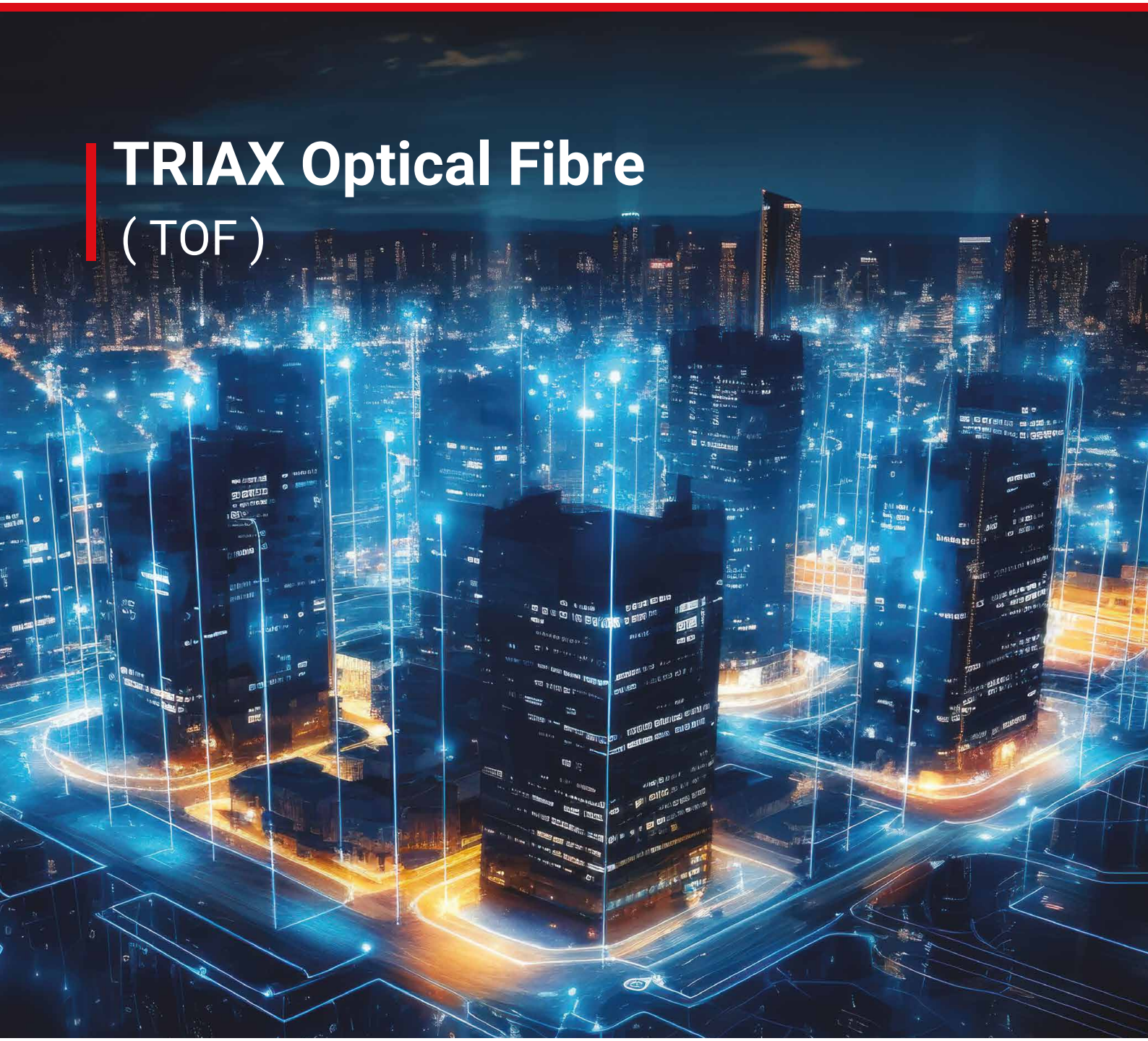
TRIAX Optical Fibre

(TOF)



An Extended Range of Fibre Solutions

For integrated reception systems and communal dwellings

triax.com

RACK TRANSMITTERS

TORT-1310

TRIAX Optical Rack Transmitter - 1310nm

Article No: 307915

Rack mount 1310nm Optical Transmitter to carry CATV &/or one band of IF Satellite to your Optical Network. Use with TORX-CATV Optical CATV/IF Receiver. Supports TRIAX TDmH & TDcH Headend Fibre distribution.

47-2400MHz (RF+Sat) 1310nm Optical 1U rack Transmitter, 10dBm, dual power supply with SNMP

- LCD Front Panel display for easy status monitoring
- Front Panel operation of basic functions with key lock
- RF Test Port on front panel
- Remote SNMP & Web Supported
- Dual hot plug power supply
- Intuitive GUI Management

Category	Items	Unit	Index			Remarks
			Min.	Type.	Max.	
Optical Index	Laser Wavelength	nm	1300	1310	1320	1310nm
	No. of Output Ports	-	-	1	-	-
	Output Power per Port	mW	-	10	-	1310nm
	Laser Linewidth	MHz	-	0.65	1.0	-
	SMSR	dB/Hz	45	50	-	-
	RIN	dB	-	-	-160	RIN (20-2600MHz)
	Optical Return Loss	dB	50	-	-	-
	Fibre Connector	-	SC/APC			-
IF Index	Operating Bandwidth	MHz	47	-	2400	-
	Input Level	dBm	-40	-	-25	-
	Flatness	dB	-2.0	-	+2.0	@ 950 - 2400MHz
	Return Loss	dB	10	-	-	-
	Input Impedance	Ω	-	75	-	-
	RF connector	-	F type			-
	No. of Test Channels	-	-	36CH	-	-
	CNR	dB	28	-	-	-
	CTB	dB	36	-	-	-
	CSO	dB	36	-	-	-
	LNB Voltage	V	0/13/18			Switchable
	LNB Current	mA	-	-	300	-
General Index	Network Management Interface	-	SNMP,WEB supported			-
	Power Supply	V	90	-	265	AC
	Power Consumption	W	-	-	30	Dual power supply, 1+1 standby
	Operating Temperature	℃	-5	-	+65	Auto case temp control
	Storage Temperature	℃	-40	-	+85	-
	Operating Relative Humidity	%	5	-	95	-
	Dimension	mm	370 × 483 × 44			D x W x H
	Weight	Kg	3.8			-

RACK TRANSMITTERS

TORT-1550

TRIAX Optical Rack Transmitter - 1550nm

Article No: 307916

Rack mount 1550nm Optical Transmitter to carry CATV &/or one band of IF Satellite to your EDFA/EYDFA for larger Optical Networks. Use with TRIAX TOFA range of EYDFA and TORX-CATV Optical CATV/IF Receiver. Supports TRIAX TDmH & TDcH Headend Fibre distribution.

47-2400MHz (RF+Sat) 1550nm Optical 1U rack Transmitter, 3dBm, dual power supply with SNMP.

- 1550nm EDFA/ EYDFA compatible
- LCD Front Panel display for easy status monitoring
- Front Panel operation of basic functions with key lock
- RF Test Port on front panel
- Remote SNMP & Web Supported
- Dual hot plug power supply
- Intuitive GUI Management

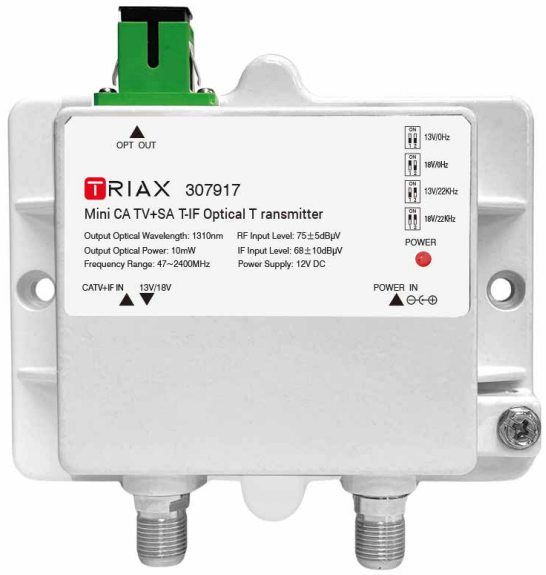
Category	Items	Unit	Index			Remarks
			Min.	Type.	Max.	
Optical Index	Laser Wavelength	nm	1540	1550	1563	1550nm Compatible with ITU wavelength
	No. of Output Ports	-	-	1	-	-
	Output Power per Port	mW	-	3	-	1550nm
	Laser Linewidth	MHz	-	0.65	1.0	-
	SMSR	dB/Hz	45	50	-	-
	RIN	dB	-	-	-160	RIN（20-2600MHz)
	Optical Return Loss	dB	50	-	-	-
	Fibre Connector	-	SC/APC			-
IF Index	Operating Bandwidth	MHz	47	-	2400	-
	Input Level	dBm	-40	-	-25	-
	Flatness	dB	-2.0	-	+2.0	950 - 2400MHz
	Return Loss	dB	10	-	-	-
	Input Impedance	Ω	-	75	-	-
	RF connector	-	F type			-
	No. of Test Channels	-	-	36CH	-	-
	CNR	dB	28	-	-	-
	CTB	dB	36	-	-	-
	CSO	dB	36	-	-	-
	LNB Voltage	V	0/13/18			Switchable
	LNB Current	mA	-	-	300	-
General Index	Network Management Interface	-	SNMP,WEB supported			-
	Power Supply	V	90	-	265	AC
	Power Consumption	W	-	-	30	Dual power supply, 1+1 standby
	Operating Temperature	℃	-5	-	+65	Auto case temp control
	Storage Temperature	℃	-40	-	+85	-
	Operating Relative Humidity	%	5	-	95	-
	Dimension	mm	370 × 483 × 44			D x W x H
	Weight	Kg	3.8			-

MINI CATV/IF TRANSMITTERS

TOMT-1310

TRIAX Optical Mini Transmitter - 1310nm

Article No: 307917



TOMT-1310 TRIAX Optical Mini Transmitter
10dBm 1310nm CATV/IF 47-2400MHz

- Designed for FTTH (Fibre To The Home) networks
- Wide operating frequency range: 47-2400MHz
- Excellent linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Uses DFB coaxial small package laser
- Compact design for easier installation
- Red-LED for power indication
- Output 13/18V, 0/22KHz for LNB use
- Use with TRIAX TOMR Mini Receiver for Point to Point

Connections		
RF Connector	-	F-Female
Optical Connector	-	SC/APC
Power Supply	-	F-Female

Optical Parameter		
Optical Return Loss	dB	≥45
Output Optical Wavelength	nm	1310
Output Optical Power	mW	10
Optical Fibre Type	-	Single Mode

CATV+SAT-IF Parameter		
Frequency Range	MHz	47 - 862 @ CATV
	MHz	950-2400 @ SAT-IF
CATV Flatness	dB	±0.75
CATV Input Level	dBμV	75 ±5
Input Impedance	Ω	75
Return Loss	dB	≥14
CNR	dB	≥52
CSO	dB	≥62
CTB	dB	≥65
SAT-IF Flatness	dB	±1.5
SAT-IF Input Level	dBμV	68±10
LNB Power supply	V	13-18
Maximum Current	mA	500
22KHz Accuracy	KHz	22 ±4
Power Supply	VDC	12
Power Consumption	W	<3
Dimensions	mm	100 x 98 x 28

MINI CATV/IF TRANSMITTERS

TOMT-1550

TRIAX Optical Mini Transmitter - 1550nm

Article No: 307918

TOMT-1550 TRIAX Optical Mini Transmitter
3dBm 1550nm CATV/IF 47-2400MHz

- Designed for FTTH (Fibre To The Home) networks
- Wide operating frequency range: 47-2400MHz
- Excellent linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Uses DFB coaxial small package laser
- Compact design for easier installation
- Red-LED for power indication
- Output 13/18V, 0/22KHz for LNB use
- Use with TRIAX TOMR Mini Receiver for Point to Point

Connections		
RF Connector	-	F-Female
Optical Connector	-	SC/APC
Power Supply	-	F-Female

Optical Parameter		
Optical Return Loss	dB	≥45
Output Optical Wavelength	nm	1550
Output Optical Power	mW	3
Optical Fibre Type	-	Single Mode

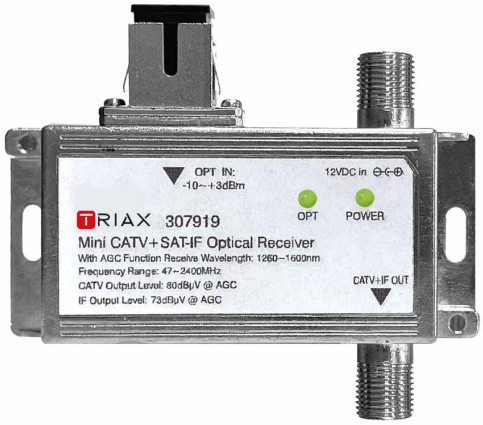
CATV+SAT-IF Parameter		
Frequency Range	MHz	47-862MHz @ CATV
	MHz	950-2400 @ SAT-IF
CATV Flatness	dB	±0.75
CATV Input Level	dBμV	75 ±5
Input Impedance	Ω	75
Return Loss	dB	≥14
CNR	dB	≥52
CSO	dB	≥62
CTB	dB	≥65
SAT-IF Flatness	dB	±1.5
SAT-IF Input Level	dBμV	68±10
LNB Power supply	V	13-18
Maximum Current	mA	500
22KHz Accuracy	KHz	22 ±4
Power Supply	VDC	12
Power Consumption	W	<3
Dimensions	mm	100 x 98 x 28

MINI CATV/IF RECEIVERS

TOMR-CATV

TRIAX Optical Mini Receiver

Article No: 307919



TOMR-CATV TRIAX Optical Mini Receiver
CATV+SAT/IF 47-2400MHz

- Designed for FTTH (Fibre To The Home) networks
- Wide operating frequency range, 47-2400MHz
- Excellent linearity and flatness
- Wide range of optical input power
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Compact design for easier installation
- LED for power indication
- Built-in AGC function
- Use with TRIAX TOMT Mini Transmitter for Point to Point

Connections	Unit	Description	Remark
RF Connector	-	F-Female	-
Optical Connector	-	SC/APC	-
Power Supply	-	F-Female	-

Optical Parameter	Unit	Description	Remark
Responsivity	A/W	≥0.9	-
Input Optical Power	dBm	-15 to +3	-
	dBm	-7 to +2	AGC
Optical Return Loss	dB	≥45	-
Receive Wavelength	nm	1260 - 1600	-
Optical Fibre Type	-	Single Mode	-

RF Parameter	Unit	Description	Remark
Frequency Range	MHz	47-862MHz @ CATV	-
	MHz	950-2400 @ SAT-IF	
CATV Flatness	dB	±0.75	-
CATV Output Level	dBμV	≥80	AGC
CNR	dB	≥50	-1dBm input power
CSO	dB	≥62	-
CTB	dB	≥65	-
Return Loss	dB	≥14 @ CATV	-
	dB	≥10 @ SAT-IF	
AGC Stability	dB	±1	-
Output Impedance	Ω	75	-
SAT-IF Flatness	dB	±1.5	-
SAT-IF Output Level	dBm	-40	AGC
Power Supply	VDC	12	-

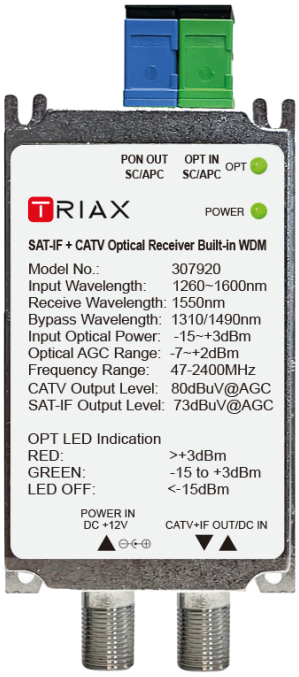
Other Parameter	Unit	Description	Remark
Power Supply	VDC	12	-
Power Consumption	W	<2	-
Dimensions	mm	75 x 63 x 17	-

MINI CATV/IF RECEIVERS

TOMR-GPON

TRIAX Optical Mini Receiver

Article No: 307920



TOMR-GPON TRIAX Optical Mini Receiver
CATV+SAT-IF Optical Receiver with GPON WDM

- Designed for FTTH (Fibre To The Home) networks
- Wide operating frequency range : 47-2400MHz
- Excellent linearity and flatness
- Wide range of optical input power
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Compact design for easier installation
- LED for power indication
- Built-in WDM, 1310nm/1490nm Optical Bypass Port to ONU
- Built-in AGC function

Connections	Unit	Description	Remark
RF Connector	-	F-Female	-
Input Optical Connector	-	SC/APC	-
Output Optical Connector	-	SC/UPC	-
Power Supply Connector	-	F-Female	-

Optical Parameter	Unit	Description	Remark
Responsivity	A/W	≥0.9	-
Input Optical Power	dBm	-15 to +3	-
	dBm	-7 to +2	AGC
Optical Return Loss	dB	≥45	-
Input Wavelength	nm	1260 - 1600	-
Receive Wavelength	nm	1550	-
Bypass Wavelength	nm	1310/1490	-
Optical Fibre Type	-	Single Mode	-

RF Parameter	Unit	Description	Remark
Frequency Range	MHz	47-862 @ CATV	-
	MHz	950-2400 @ SAT-IF	
CATV Flatness	dB	±0.75	-
CATV Output Level	dBμV	≥80	AGC
CNR	dB	≥50.5	-1dBm input power
CSO	dB	≥64	-
CTB	dB	≥66	-
CATV Return Loss	dB	≥16	-
SAT- IF Return Loss	dB	≥10	-
Output Impedance	Ω	75	-
AGC Stability	dB	±1	-
SAT-IF Flatness	dB	±1.5	-
SAT-IF Output Level	dBμV	≥73	AGC

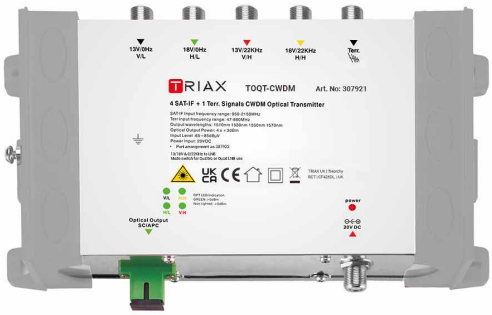
Other Parameter	Unit	Description	Remark
Power Supply	VDC	12	-
Power Consumption	W	<1	-
Dimensions	mm	88 x 50 x 22	-

QUATTRO TRANSMITTER

TOQT-CWDM

TRIAX Optical Quattro / Quad Transmitter

Article No: 307921



TOQT-CWDM TRIAX Optical Quattro/Quad Transmitter
4SAT-IF + 1Terr. Signal CWDM Optical Transmitter

- Designed for Satellite Optical Systems
- Wide operating frequency range:47-860MHz / 950-2150MHz
- Excellent linearity and flatness
- High return loss
- Built-in GaAs amplifiers
- Ultra low noise technology
- Built-in CWDM, Using DFB coaxial small package laser
- Outputs 13/18V, 0/22KHz to LNB
- LNB mode switch to use either Quattro or QUAD LNB
- Red-LED for power indication
- Compact design for easier installation

Connections	Unit	Description	Remark
RF Connector	-	F-Female	-
Optical Connector	-	SC/APC	-
Power Supply Connector	-	F-female	-

Optical Parameter	Unit	Description	Remark
Optical Return Loss	dB	≥45	-
Output Optical Wavelength	nm	1510	VL
	nm	1530	HL
	nm	1550	VH+Terr.
	nm	1570	HH
Output Optical Power	mW	3	≥5dBm
Optical Fibre Type	-	Single Mode	-

Terr.+SAT-IF Parameter	Unit	Description	Remark
Input Impedance	Ω	75	-
Terr. Frequency Range	MHz	47-860	-
Terr. Flatness	dB	±0.75	-
Terr. Input Level	dBμV	75±5	-
Terr. Return Loss	dB	≥14	-
CNR	dB	≥52	-
CSO	dB	≥62	-
CTB	dB	≥65	-
SAT-IF Frequency Range	MHz	950-2150	-
SAT-IF Return Loss	dB	≥10	-
SAT-IF Flatness	dB	±1.5	AGC
SAT-IF Input Level	dBμV	70±5	-
LNB Power supply	V	13/18	-
LNB power supply current	mA	500	Max.
22KHz Accuracy	KHz	22±4	-

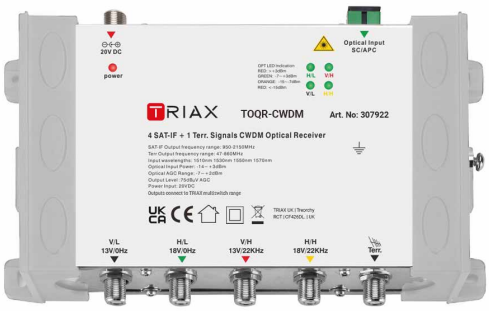
Other Parameter	Unit	Description	Remark
Power Supply	VDC	20	-
Power Consumption	W	<10	-
Dimensions	mm	195 x 135 x 45	-

QUATTRO RECEIVER

TOQR-CWDM

TRIAX Optical Quattro Receiver

Article No: 307922



TOQR-CWDM TRIAX Optical Quattro Receiver
4SAT-IF + 1Terr. Signal CWDM Optical Receiver

- Designed for Satellite Optical Systems
- Wide operating frequency range:47-860MHz / 950-2150MHz
- Excellent linearity and flatness
- High return loss
- Built-in GaAs amplifiers
- Ultra low noise technology
- Built-in CWDM, using high linear PDG
- Outputs connect to TRIAX multiswitch range
- Built-in optical AGC function
- Red-LED for power indication
- Compact design for easier installation

Connections	Unit	Description	Remark
RF Connector	-	F-Female	-
Optical Connector	-	SC/APC	-
Power Supply Connector	-	F-female	-

Optical Parameter	Unit	Description	Remark
Optical Return Loss	dB	≥45	-
Input Optical Wavelength	nm	1510	VL
	nm	1530	HL
	nm	1550	VH+Terr.
	nm	1570	HH
Responsivity	A/W	≥0.9	-
Input Optical Power	dBm	-15 to +3	-
	dBm	-7 to +2	AGC
Optical Fibre Type	-	Single Mode	-

Terr.+SAT-IF Parameter	Unit	Description	Remark
Output Impedance	Ω	75	-
Terr. Frequency Range	MHz	47-860	-
Terr. Flatness	dB	±0.75	-
Terr. Output Level	dBμV	≥80	AGC
Terr. Return Loss	dB	≥14	-
CNR	dB	≥50	-
CSO	dB	≥62	-
CTB	dB	≥65	-
SAT-IF Frequency Range	MHz	950-2150	-
SAT-IF Return Loss	dB	≥10	-
SAT-IF Flatness	dB	±1.5	-
SAT-IF Output Level	dBμV	75±5	AGC
AGC Stability	dB	±1	-

Other Parameter	Unit	Description	Remark
Power Supply	VDC	20	-
Power Consumption	W	<10	-
Dimensions	mm	195 x 128 x 40	-

WB SINGLE LASER TRANSMITTER AND LNB KITS

TOWT-1310 and LNB Kit

TRIAX Optical WB Transmitter - 1310nm

Article No: 307923

47-3000MHz (RF+WB) Single Laser Optical Transmitter & LNB+ Kit - 1310

The TOWT-1310 fibre Optic Transmitter Kit can solve the problem of signal attenuation experienced in conventional coax-based IRS systems. The filtered terrestrial signal and V & H polarities of the 3.0GHz Wideband LNB are fed into the Transmitter. The solution builds a stack inside the Optical Transmitter and converts 5 combinations of frequency band/polarization into different frequencies within the range 0.05GHz~5.45GHz.

The signal produced at the Transmitter from the electro-optical signal converter is transmitted to the receiver via a fibre optic single mode cable over the PON.

At the end of the fibre optic cable, the beam enters the photoelectric signal converter and converts the beam back to IF & Terrestrial signals either in Quattro (307925) or Quad (307926).

- WB 3GHz LNB & Transmitter Kit
- Single 1310nm laser
- Excellent linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Simple to install

	Unit	Description
Input Frequency Range	MHz	47-862MHz, 950-3000
Output Frequency Range	MHz	47-862 MHz, 950-5450
Optical Output Power	dB	65 (Typ)
Optical Wavelength	nm	1310
DC Current Consumption	mA	500 @12V
Optical Connector	-	SC/APC
Operating Temperature	℃	-30 to +70

TOWT-1550 and LNB Kit

TRIAX Optical WB Transmitter - 1550nm

Article No: 307924

47-3000MHz (RF+WB) Single Laser Optical Transmitter & LNB+ Kit -1550

The TOWT-1550 fibre Optic Transmitter Kit can solve the problem of signal attenuation experienced in conventional coax-based IRS systems and when combined with a TRIAX TOFA EYDFA Optical Amplifier can be used to build large scale TV system deployments. The filtered terrestrial signal and V & H polarities of the 3.0GHz Wideband LNB are fed into the Transmitter. The solution builds a stack inside the Optical Transmitter and converts 5 combinations of frequency band/polarization into different frequencies within the range 0.05GHz~5.45GHz.

The signal produced at the Transmitter from the electro-optical signal converter is transmitted to the receiver via a fibre optic single mode cable over the PON.

At the end of the fibre optic cable, the beam enters the photoelectric signal converter and converts the beam back to IF & Terrestrial signals either in Quattro (307925) or Quad (307926).

- WB 3GHz LNB & Transmitter Kit
- Single 1550nm laser
- Use with TRIAX TOFA Range of EYDFA Amplifiers
- Optical output level optimized to work with EYDFA
- Excellent Linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Simple to install

	Unit	Description
Input Frequency Range	MHz	47-862MHz, 950-3000
Output Frequency Range	MHz	47-862 MHz, 950-5450
Optical Output Power	dBm	10
Optical Wavelength	nm	1550
DC Current Consumption	mA	500 @12V
Optical Connector	-	SC/APC
Operating Temperature	℃	-30 to +70

WB SINGLE LASER RECEIVERS

TOWR-QUAT

TRIAX Optical WB Receiver - Quattro

Article No: 307925

47-5450MHz (RF+Quattro) 1200-1600nm Optical Receiver

The TOWR-QUAT fibre Optic Receiver converts the 5 combinations of frequency within the range 0.05GHz~5.45GHz received from a TOWT-1310/1550 (307923/307924) Transmitter Kit and outputs the signals in Quattro format for connection to a Quattro compatible multiswitch such as the TRIAX TMS & dSCR range.

The signal received from the TOWT single laser Transmitter is transmitted to the TOWR-QUATTRO receiver via a fibre optic single mode cable over the PON.

- Excellent Linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Low power consumption
- Simple to install

	Unit	Description
Input Frequency Range	MHz	50 - 5450
Output Frequency Range	MHz	T:50 - 860
	MHz	VL/HL: 950 - 1950
	MHz	VH/HH: 1100 - 2150
Conversion Gain	dB	65 (Typ)
Noise Figure	dB	0.3 (Max.)
Gain Flatness	dB	±0.5dB / 26MHz p-p 7dB
DC Current Consumption	mA	250mA @20V
L.O. Frequency	MHz	VH: 3300 / 4150 ±0.5
	MHz	HL: 2450 ±0.5
	MHz	HH: 3300 ±0.5
Input Optical Power	dBm	-9 - +1
Optical Wavelength	nm	1200-1600
Operating Temperature	℃	-30 to +70
Optical Connector	-	SC/APC

TOWR-QUAD

TRIAX Optical WB Receiver - Quad

Article No: 307926

47-5450MHz (RF+Quad) 1200-1600nm Optical Receiver.

The TOWR-QUAD fibre Optic Receiver converts the 5 combinations of frequency within the range 0.05GHz~5.45GHz received from a TOWT-1310/1550 (307923/307924) Transmitter Kit and outputs the signals in Quad format for connection to a suitable satellite receiver or Quad compatible multiswitch such as the TRIAX TMS-CKR range.

The signal received from the TOWT single laser Transmitter is transmitted to the TOWR-QUAD receiver via a fibre optic single mode cable over the PON.

- Excellent Linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Low power consumption
- Simple to install

	Unit	Description
Input Frequency Range	MHz	50 - 5450
Output Frequency Range	MHz	T:50 - 860
	MHz	L/B: 950 - 1950
	MHz	H/B: 1100 - 2150
Conversion Gain	dB	65 (Typ)
Noise Figure	dB	0.3 (Max.)
Gain Flatness	dB	±0.5dB / 26MHz p-p 7dB
DC Current Consumption	mA	250mA @20V
L.O. Frequency	MHz	VH: 3300/4150 ±0.5
	MHz	HL: 2450 ±0.5
	MHz	HH: 3300 ±0.5
Input Optical Power	dBm	-9 to +1
Optical Wavelength	nm	1200-1600
Operating Temperature	℃	-30 to +70
Optical Connector	-	SC/APC

EDFA/EYDFA AMPLIFIERS (W/O WDM)

TOFA-0122

TRIAX Optical Fibre Amplifier - 1 Port - 22dB

Article No: 307927

19” Rack Mount Single Port high power 22dB EDFA with SNMP & Dual Power Supply

- Single Port EDFA
- 22dBm high power output
- LCD Front Panel display for easy status monitoring
- Front Panel operation of basic functions with key lock
- Remote SNMP & Web Supported
- Dual hot plug power supply
- Intuitive GUI Management

Category	Items	Unit	Index			Remarks
			Min.	Type.	Max.	
Optical Index	Operating Wavelength	nm	1530	1550	1565	-
	Optical Input Range	dBm	-10	-	10	-
	Output Power	dBm	13	-	27	1dBm interval
	Output Adjustment Range	dB	-4	-	0	Adjustable, each step 0.1dB
	Output Power Stability	dB	-	-	0.2	-
	No. of Output Ports	No.	-	1	-	-
	Noise Figure	dB	-	-	5	Pin: 0dBm
	Switch Time	ms	-	-	8.0	-
	Optical switch insert loss	dBm	0.5	-	0.8	-
	PDL	dB	-	-	0.3	-
	PDG	dB	-	-	0.3	-
	PMD	ps	-	-	0.3	-
	Remnant Pump Power	dBm	-	-	-30	-
	Return Loss	dB	50	-	-	-
	Fibre Connector	dB	SC/APC			-
General Index	Network Management Interface	-	SNMP,WEB supported			-
	Power Supply	V	90	-	265	AC
	Power Consumption	W	-	-	15	Dual power supply, 27dBm
	Operating Temperature	℃	-5	-	65	Full automatic case temp control
	Storage Temperature	℃	-40	-	85	-
	Operating Relative Humidity	%	5	-	95	-
	Dimension	mm	370 × 483 × 44			W x L x H
	Weight	Kg	5			-

EDFA/EYDFA AMPLIFIERS (W/O WDM)

TOFA-0422

TRIAX Optical Fibre Amplifier - 4 Port - 22dB

Article No: 307928

19” Rack Mount 4 Port high power 22dB EYDFA with SNMP & Dual Power Supply

- 4 Port High Power EYDFA
- 22dBm high power output
- LCD Front Panel display for easy status monitoring
- Front Panel operation of basic functions with key lock
- Remote SNMP & Web Supported
- Dual hot plug power supply
- Intuitive GUI Management

Category	Items	Unit	Index			Remarks
			Min.	Type.	Max.	
Optical Index	CATV Operating Wavelength	nm	1545	1550	1565	-
	Optical Input Range	dBm	-3	-	10	-
	Output Power	dBm	-	-	37	1dBm interval
	Output Adjustment Range	dB	-4	-	0	0.1dB each step
	Output Ports Uniformity	dB	-0.7	-	0.7	<±0.7dB
	Output Power Stability	dB	-0.3	-	0.3	<±0.3dB
	No. of Output Ports	No.	-	4	-	SC/APC
	Switching Time of Optical Switch	ms	-	-	8	Optional
	Insertion Loss of Optical Switch	dB	0.5	-	0.8	-
	Noise Figure	dB	-	-	6	Pin：0dBm
	PDL	dB	-	-	0.3	-
	PDG	dB	-	-	0.4	-
	PMD	ps	-	-	0.3	-
	Remnant Pump Power	dBm	-	-	-30	-
	Optical Return Loss	dB	45	-	-	-
	Fibre Connector	dB	SC/APC			-
General Index	Network Management Interface	-	SNMP,WEB supported			-
	Power Supply	V	90	-	265	AC
	Power Consumption	W	-	-	70	Dual power supply, Output 37dBm
	Operating Temperature	℃	-5	-	65	-
	Storage Temperature	℃	-40	-	85	-
	Operating Relative Humidity	%	5	-	95	-
	Dimension	mm	370 × 483 × 44			W x L x H
	Weight	Kg	5.5			-

EDFA/EYDFA AMPLIFIERS (W/O WDM)

TOFA-0822

TRIAX Optical Fibre Amplifier - 8 Port - 22dB

Article No: 307930

19” Rack Mount 8 Port high power 22dB EYDFA with SNMP & Dual Power Supply

- 8 Port High Power EYDFA
- 22dBm high power output
- LCD Front Panel display for easy status monitoring
- Front Panel operation of basic functions with key lock
- Remote SNMP & Web Supported
- Dual hot plug power supply
- Intuitive GUI Management

Category	Items	Unit	Index			Remarks
			Min.	Type.	Max.	
Optical Index	CATV Operating Wavelength	nm	1545	1550	1565	-
	Optical Input Range	dBm	-3	-	10	-
	Output Power	dBm	-	-	37	1dBm interval
	Output Adjustment Range	dB	-4	-	0	0.1dB each step
	Output Ports Uniformity	dB	-0.7	-	0.7	<±0.7dB
	Output Power Stability	dB	-0.3	-	0.3	<±0.3dB
	No. of Output Ports	No.	-	8	-	SC/APC
	Switching Time of Optical Switch	ms	-	-	8	Optional
	Insertion Loss of Optical Switch	dB	0.5	-	0.8	-
	Noise Figure	dB	-	-	6	Pin：0dBm
	PDL	dB	-	-	0.3	-
	PDG	dB	-	-	0.4	-
	PMD	ps	-	-	0.3	-
	Remnant Pump Power	dBm	-	-	-30	-
	Optical Return Loss	dB	45	-	-	-
	Fibre Connector	dB	SC/APC			-
General Index	Network Management Interface	-	SNMP,WEB supported			-
	Power Supply	V	90	-	265	AC
	Power Consumption	W	-	-	70	Dual power supply, Output 37dBm
	Operating Temperature	℃	-5	-	65	-
	Storage Temperature	℃	-40	-	85	-
	Operating Relative Humidity	%	5	-	95	-
	Dimension	mm	370 × 483 × 44			W x L x H
	Weight	Kg	5.5			-

ACCESSORIES

PLC Splitter is an optical power management device featuring silica waveguide technology.

- Low Insertion loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength: From 1260nm to 1650nm
- High Reliability and Stability

TORS-032
TRIAX Optical Rack Splitter - 32 Way

Article No: 307931

TORS-064
TRIAX Optical Rack Splitter - 64 Way

Article No: 307932

TORS-128
TRIAX Optical Rack Splitter - 128 Way

Article No: 307933

	Unit	Description
Return Loss	dB	≥55
Directivity	dB	≥55
Operating & Storage Temperature	℃	-40 to +85

TMB 500
Terrestrial Channel Processor

Article No: :360246 (UK) / 360247 (EU)

The TRIAX TMB 500 is a streamlined auto-programmable filter amplifier designed for efficiency. Its autoprogramming feature significantly reduces setup time, while its intelligent filtering capabilities, ultra-compact design, and flexible configuration make it an ideal solution for optical fibre TV systems.

- 3 universal inputs FM/VHF/UHF
- Sharp filters, can process and convert 32 channels
- Auto-scan, conversion mode
- 70 - 90 dBµV output power, 50dB gain
- Indoor and outdoor mounting
- Ultra compact housing
- Developed to support the TRIAX Optical Fibre Range

TRIAX is a global supplier of reliable, innovative products and solutions for the reception and distribution of video, audio and data signals.

Our Products are used in homes, businesses and operator networks by broadcasters, satellite, cable and telecom operators.

Our Solutions combine our hardware and software expertise to deliver value to hospitality and related markets, through a partner network of system integrators, large installers and operators.

TRIAX headquarters are based in Wales, UK, subsidiary office in Dubai, UAE and R&D in Denmark.

The company operates through a dedicated partner network of global distributors.

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