



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
- Auto LNB Switching to use either Quattro or QUAD LNB
- LED for power & optical level 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	18-20	-
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
- LED for power & optical level 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	dB μ V	≥ 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	dB μ V	75 $\pm$ 5	AGC
AGC Stability	dB	± 1	-

Other Parameter	Unit	Description	Remark
Power Supply	VDC	18-20	-
Power Consumption	W	<10	-
Dimensions	mm	195 x 128 x 40	-