



1550 nm DIRECT MODULATION FIBRE OPTICAL TRANSMITTER

HEADEND



TX x 2 SC/APC FIBRE OUTPUTS, + 12 dBm & + 9 dBm, 47 MHz to 2600 MHz

Product Code: DF/TXDG12



This direct modulation fibre optical transmitter is specifically designed for the use in medium to large fibre distribution networks. This unit provides long life stability and reliability in commercial environments.

FEATURES

- RF input port and an RF test output port
- *Optical output power options
- Module design, simple installation
- LCD front illuminating display
- 19" rack mounting in a 1RU space

Specifications

| | | |
|----------------------------|---------------------------------------|------|
| Optical Power (mW) | 15.85 | 7.95 |
| Optical Power (dBm) | *12 | *9 |
| Optical Wavelength (nm) | 1550 to 1560 | |
| Fibre Connection | SC/APC | |
| RF Bandwidth (MHz) | 47 to 2400 | |
| Channels | 70 [Mix of DVB-C, DVB-T and DVB-S/S2] | |
| Band Unflatness | ≤ 0.75 | |
| Optical Modulation Mode | Direct | |
| Optical Return Loss | ≥ 50 | |
| RF Input Level (dBμV) | 70 ± 2 @ AGC | |
| Input Return Loss | ≥ 10 | |
| Input Impedance (Ω) | 75 | |
| CNR (dB) | ≥ 51 | |
| CTB (dB) | ≥ 65 | |
| CSO (dB) | ≥ 65 | |
| Power Consumption (W) | ≤ 4 | |
| Dual Power Supply (V) | 110 VAC to 254 VAC or 48 VDC | |
| Storage Temperature (°C) | - 10 to + 50 | |
| Operation Temperature (°C) | 0 to + 50 | |
| Humidity (%) | 20 to 85 | |
| Dimensions (mm) | 483 x 370 x 44 | |



CAUTION: DO NOT FEED THE + 12 dBm FIBRE OPTICAL OUTPUT INTO THE EYDFA INPUT! THIS MAY CAUSE DAMAGE TO THE EYDFA.

*The DF/TXDG12 (+ 12 dBm, + 9 dBm) has dual optical outputs for connecting the desired optical output power. These dual outputs can be used simultaneously.

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