

RF Fiberoptic link

Standalone transmitter

APO 201000-FP-TX

This RF fiberoptic link is designed for remote RF signal in a wide range of frequency between 20 MHz to 1000 MHz

Features :

- * FP (Fabry Perrot) laser diode > 0,2 mW output power
2 mW option 1
- * Over temperature protection
- * dry loop alarm
- * High output IP3
- * input LNA in option 2

Applications :

- * RF and Microwave links
- * remote RF link
- *** option 75 for 75 Ohms
- * Instrumentations



Case : CAO 01-01

Specifications

| Characteristics | Data | Units |
|--|--------------------|---------|
| Frequency range | 20 MHz - 1000 MHz | MHz |
| Wavelength | 1360 | |
| Typ. | 1310 | nm |
| Min | 1290 | |
| Optical output power | > 0,2 | mW |
| link gain (for 0 dBo) | +/- 2 | dB |
| Flatness | +/- 1,5 | dB |
| Input power for rated output power | 0 | dBm |
| Max. RF input power | 20 | dBm |
| In impedances nom. | 50 *** | Ohms |
| Input VSWR | 1,5 : 1 | |
| Relative intensity noise | -135 | dB/Hz |
| Intercept point 3 rd Order typ.(link) | 27 | dBm |
| Alarm (over current) | dry loop | |
| Optical connectors | FC/APC * | |
| Fiber loss | 0,4 | dB/km |
| optical connectors loss | 0,5 | dB/pair |
| Typical RF link NF | 40 ** | dB |
| RF connectors | SMA female/BNC | |
| Storage temperature range | -40 °C ... + 85 | ° C |
| Operating temperature Range | -20 °C ... + 60 | ° C |
| Power Supply | 12 V DC +/- 5 % | |
| size (W x L x H) | 7 F x 175 mm x 3 U | mm |
| All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice | | |

* Other connectors can be mounted upon request

** a LNA can be added as a option for low noise application

*** option 75 for 75 ohms

Made in European Union

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