

# RF Fiberoptic link

## Standalone receiver

# APO 201000-RX

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

### Features :

- \* RX photodiode InGaS
- \* RX alarm
- \* Optical power measurement
- \* extra gain (10 to 20 dB) in option
- \* High output IP3
- \* AGC gain in option

### Applications :

- \* RF and Microwave links
- \* remote RF link for RF signal (GSM,HDTV,OFDM,TETRA,Multi tones ...)
- \* CDMA, TDMA
- \* Instrumentations



Case : CAO 01-01

### Specifications

Characteristics	Data	Units
Frequency range	20 MHz - 1000 MHz	MHz
Wavelength	1600	
Typ.	1310	nm
Min	900	
Class	A	
link gain (for 0 dBo)	+/- 2	dB
Flatness	+/- 1,5	dB
Input power for rated output power	0	dBm
Max. optical input power	10	dBo
Out impedances nom.	50 ***	Ohms
Relative intensity noise	-135	dB/Hz
Intercept point 3 rd Order typ.(link)	28 / 30	dBm
Alarm ( over current and no optical)	dry loop	
Optical connectors	FC/APC *	
Fiber loss	0,4	dB/km
optical connectors loss	0,5	dB/paire
Typical RF link NF	40 **	dB
RF connectors	SMA female	
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

\*\*\* option 75 for 75 Ohms

Made in European Union

18/09/2001

