

# RF Fiberoptic link

Full duplex in a single mono mode fiber

## APO 201000-WDM-232

This RF fiberoptic link is designed for remote RF signal in a wide range of frequency between 20 to 1000 MHz in full duplex on a single mono mode fiber 1310 / 1550 nm

### Features :

\* Dual link in **one mono mode fiber**

A complete dual link include :

\* 2 modules APO 201000-WDM-232/1

\* **full duplex RS232** remote informations up to 19200 bauds

\* option (external) for RS485

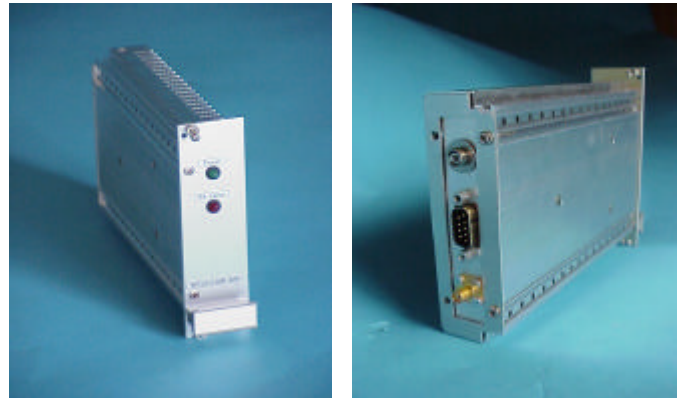
### Applications :

\* RF and Microwave links

\* remote RF link for RF signal (GSM,HDTV,OFDM,TETRA,Multi tones ...)

\* CDMA, TDMA

\* Instrumentations



case : CAO 01 - 02

### Specifications

Characteristics	Data	Units
Frequency range	20 MHz - 1000 MHz	MHz
Wavelength Typ.	1550 and 1310	nm
Optical output power	$2 < P_o < 4$	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 / Out impedances nom.	50 ***	Ohms
Input VSWR	1,5 : 1	
Relative intensity noise	-135	dB/Hz
Intercept point 3 rd Order typ.(link)	30	dBm
Alarm ( over current, RX loss )	dry loop	
Optical connectors	FC/APC *	
Fiber loss	0,4	dB/km
optical connectors loss	0,5	dB/paire
Typical RF isolation	> 95	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)	2 X 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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[www.rfpa.com](http://www.rfpa.com)

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