

# RF Fiberoptic link

## Standalone transmitter RS232 simplex

# APO 201000-DFB-TX-232

This RF fiberoptic link is designed for remote RF signal in a wide range of frequency between 20 to 1000 MHz in a half duplex mono mode fiber 1310 or 1550 nm as a option

### Features :

- \* DFB laser diode 2 mW output power
- \* Optical isolator included
- \* Over temperature protection
- \* simplex TX RS232 remote informations up to 19 200 bauds
- \* High output IP3
- \* input LNA 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		
standard	1310	nm
option 1550	1550	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 impedance 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)	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 % I : 50 mA max	
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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