

## **Fibre optic transmission systems for CCTV**



### **Single channel baseband video transmitter A161 model**

**OPTICAL PARAMETERS**

Light source	Low power laser (A version) LED (C, CM y D versions)
Wavelength (see note 1)	850 nm (C y CM versions) 1.310 nm (A and D versions)
Fibre type	Singlemode (9/125 $\mu\text{m}$ ) (A version) Multimode (50/125 or 62,5/125 $\mu\text{m}$ ) (C, CM and D versions)
Stabilization	In optical power (A version)
Optical power (see note 2)	$\geq -11$ dBm (A version) $\geq -12$ dBm (62,5/125 $\mu\text{m}$ ) (C version) $\geq -19$ dBm (50/125 $\mu\text{m}$ ), $\geq -17$ dBm (62,5/125 $\mu\text{m}$ ) (CM version) $\geq -21$ dBm (50/125 $\mu\text{m}$ ), $\geq -16$ dBm (62,5/125 $\mu\text{m}$ ) (D version)

**ELECTRICAL PARAMETERS**

Video specification	PAL 625/50 Hz
Input voltage	1 Vpp
Input impedance (see note 1)	75 $\Omega$
Bandwidth (-3 dB)	$\geq 5,5$ MHz
Peak to peak differential gain (see note 1)	$< 3,5$ %
Peak to peak differential phase (see note 1)	$< 3,5$ °
Signal to noise ratio (weighted) (see note 1)	$> 60$ dB

**POWER PARAMETERS**

Power requirements	12 Vcc
Power consumption (see note 1)	$< 1$ W

**MECHANICAL PARAMETERS**

Formats available	Inside plant box for 3U and 19 " housing DIN rail
Dimensions	5 TE wide, 62 mm deep for eurocard module 72 x 103 x 72 mm. for DIN rail format
Optical connector	FC/PC (A version) ST (C, CM and D versions)
Video connector	BNC

**ENVIRONMENTAL CONDITIONS**

Operating temperature range	-20 °C to +74 °C
Humidity range	0 to 95% without condensation

**INDICATORS AND ALARMS** (see note 3)

Unit working	Green	ON
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Note 1.- Typical values as a production average

Note 2.- Consult with manufacturer or distributor for higher optical power units

Note 3.- LED's in the front side

**EQUIPOS DE TELECOMUNICACIÓN OPTOELECTRÓNICOS, S.A.**

**EQUITEL**

Polígono de Malpica, calle F Oeste, G. Quejido nave 74

50057 ZARAGOZA (SPAIN)

Tel. +34 976 57 03 53 - Fax. +34 976 57 13 83

