

## Fibre optic transmission systems for CCTV



**Single channel video transmitter A164 model**

<b>OPTICAL PARAMETERS</b>	
Light source	LED
Wavelength (see note 1)	850 nm (C and CM versions) 1,310 nm (D version)
Fibre type	Multimode (50/125 or 62.5/125 $\mu\text{m}$ )
Optical power (see note 2)	$\geq -12$ 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)
<b>ELECTRICAL PARAMETERS</b>	
Video specification	Compatible PAL, NTSC, SECAM
Input voltage	1 Vpp
Input impedance (see note 1)	75 $\Omega$
Bandwidth ( -3 dB) (see note 2)	$\geq 5.5$ MHz
Peak to peak differential gain (see notes 1 and 2)	$< 3.5$ %
Peak to peak differential phase (see notes 1 and 2)	$< 3.5$ °
Signal to noise ratio (weighted) (see notes 1 and 2)	$> 60$ dB
<b>POWER PARAMETERS</b>	
Power requirements	12 Vcc
Power consumption (see note 1)	$< 1$ W
<b>MECHANICAL PARAMETERS</b>	
Format	Miniature inside plant box
Dimensions	75 x 25 x 25 mm (without power cable)
Optical fibre connector	ST
Video coaxial connector	BNC
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating temperature range	-10 °C to +50 °C
Humidity range	0 to 95% without condensation

Note 1.-Typical values as a production average

Note 2.-Actual values are given in the test sheet. These values are measured according to the test procedure for this device

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

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