

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



**Digital video optical receiver, A192 model**

<b>OPTICAL PARAMETERS</b>		
Optical receiver	PIN	
Wavelength (see note 1)	1,310 nm and 1,550 nm	
Type of fibre	Singlemode (9/125 µm) (optionally multimode)	
Sensitivity (see notes 2, 3 and 4)	≤ -29 dBm	
Line rate	155.52 Mbits/s	
<b>VIDEO ELECTRICAL PARAMETERS</b>		
Output signal	PAL, SECAM, NTSC	
Output voltage	1 Vpp	
Output impedance	75 Ω	
Resolution	10 bits	
Bandwidth (-1 dB) (see note 2)	≥ 5.8 MHz	
Peak to peak differential gain (see notes 1 and 2)	< 2.0 %	
Peak to peak differential phase (see notes 1 and 2)	< 2.0 °	
Signal to noise ratio (weighted) (see notes 1 and 2)	> 67 dB	
<b>POWER PARAMETERS</b>		
Power requirements	Internal of P40W housing	
Power consumption (see note 1)	<8 W	
<b>MECHANICAL PARAMETERS</b>		
Format	Plug-in module for 19" rack and 3U high	
Dimensions	5 TE wide, 160 mm deep (without connectors)	
Optical connector	FC/PC	
Video connector	BNC	
<b>ENVIRONMENTAL CONDITIONS</b>		
Operating temperature range	-40 °C to +74 °C	
Humidity range	0 a 95% without condensation	
<b>INDICATORS AND ALARMS (see note 5)</b>		
Unit in operation	Green	ON
No video input	Red	NV
Absence of input optical power	Red	APO

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

Note 3.- Consult with manufacturer or distributor for better sensibility units

Note 4.- Value guaranteed for a BER <10<sup>-9</sup> in all the operating range

Note 5.- LEDs on 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