

# 916 FIBRE OPTIC DISTRIBUTION

## OPTICAL TRANSMITTER TV-SAT 4 MW LNB FEED



Code : **9160048**

Model : **OT-412**

### Description

Optical transmitter for analogue and digital TV signals, both terrestrial and satellite. This device receives the TV signals in the terrestrial and satellite bands in IF via coaxial cable and transmits them via single-mode optical fibre with a wavelength of 1310 nm using a Class 1 laser.

### Applications

Large-scale collective terrestrial and satellite TV installations in which, due to the topology of the installation, the distribution is not possible using coaxial cable. The optical modulation is easily adjustable with two independent controls of the OMI for terrestrial and satellite TV. Satellite polarity can be chosen using switches that control the voltage (13/18V) and tone (0/22KHz) that are fed to the LNB.

### Characteristics

Modular equipment. Zamak chassis with metallic side panels. F-type connectors for the input of the TV signals in the terrestrial band and the satellite IF band. Female SC/APC connector for optical fibre.

<b>CÓDIGO-CODE-CODE</b>	<b>9160048</b>
<b>MODELO-MODEL-MODÈLE</b>	<b>OT-412</b>

**ENTRADAS RF - HF INPUTS - HF ENTRÉES**

Número de entradas RF Number of HF inputs Number du entrées HF		2	
Rango de frecuencia Frequency range Gamme de fréquences	Band	TV	SAT
	MHz	46 - 862	950 - 2150
Alimentación LNB LNB power supply Alimentation LNB	V <sub>DC</sub> mA		DiSEqC 2.0 +13 / +18 (0/22KHz) 350 max
Nivel de entrada Input level Niveau d'entrée	dB $\mu$ V	72 .. 87	
Planitud Flatness Ondulation dans la bande	dB	$\pm 0,7$	$\pm 1,0$
Pérdidas de retorno Return loss Pertes de retor	dB	$>12$	$>10$
Impedancia de entrada Input impedance Impédance d'entrée	$\Omega$	75	
Entrada de test Test input Entrée du test	dB $\pm$ TOL	0 $\pm 1,0$	
Conectores de RF HF connectors HF connecteurs		F	

**SALIDA ÓPTICA - OPTICAL OUTPUT - SORTIE OPTIQUE**

Potencia óptica de salida Optical output power Puissance optique d'entrée	mW	4 (6 dBm)			
Longitud de onda Wavelength Longueur d'onde	nm	1310			
Pérdidas de retorno Return loss Pertes de retour	dB	>50			
Conector óptico Optical connector Connecteur optique	SC/APC 8°				
Alimentación Power supply Alimentation	V <sup>---</sup>	+3,3	+5,2	+12	+24
	mA	0	120	500	0