

dCSS OPTICAL CONVERTER

WITH TWIN SMATV OUTPUT




REF.	ART. NR.	DESCRIPTION	EAN 13
237201	OMS12T	dCSS OP./RF CONVERTER TWIN	8424450184653



+ dCSS converter, which receives an **optical input** and **recovers the original RF signal**, obtaining at its outputs a mixed signal of terrestrial band and the four combinations of satellite bands. The converter supports **Legacy**, **SCR I** (EN50494), **SRC II** (EN50607) and **SKY SCR** modes. Besides, others highlights are:

- Optical wavelenght input from **1100 to 1650nm**.
- **Status Indicator** with green LED.
- **Plastic cover included**, to protect the unit and the connectors.



REF.	ART. NR.	 mm	 g	 U./Pack.
237201	OMS12T	136x135x46	450	1 / box



Reference / Art. Nr.		237201/ OMS12T	
RF Output			
Satellite			
Frequency Bands	Horizontal High	MHz	1100 - 2150 \geq 15.5V + 22kHz
	Vertical High		1100 - 2150 \leq 14.5V + 22kHz
	Horizontal Low		950 - 1950 \geq 15.5V
	Vertical Low		950 - 1950 \leq 14.5V
Return Loss		dB	\geq 10
Normal Impedance		Ω	75
Gain Variation Across Band		dB	\leq 7
Terrestrial Rejection		dB	35
Nominal Outputs Level (Legacy)		dB μ V	75
SCR			
SRC Standard		SCR I (EN50494) / SCR II (EN50607) / SKY UK	
dSCR User Bands		2x16	
Nominal Outputs Level (dSCR)		dB μ V	72
FM/DAB/DTT			
Frequency Range	FM	MHz	47 - 790
	DAB		88 - 108
	DTT		174 - 240
			470 - 790
Return Loss		dB	\geq 10
Normal Impedance		Ω	75
Gain Variation Across Band		dB	\leq 5
Satellite Rejection		dB	35
Typical Output Level	Multiplexes	dB μ V	FM/DTT
			DAB
	1		76
6	71	60	

Reference / Art. Nr.		237201/ OMS12T	
Optical Input			
Optical			
Optical Wavelength		nm	1100 to 1650
Optical Return Loss		dB	45
Optical Input Power	Min.	dBm	-12
	Max.		-3
General			
Electrical			
Power Supply Voltage		V	20 (AC/DC Adaptor)
Current Consumption		mA	\leq 430
Mechanical			
Temperature ranges	Operating Storage	$^{\circ}$ C	-5 ... +50
			-40 ... +70
Optical Input		type	FC/PC
RF Output connectors		type	F-female

