

FM RE-EMITTER

The OMB **FM RE-EMITTER** is composed by an FM MR receiver in the band of 87.5-108MHz together with the EM 20/30 transmitter. Its purpose is to repeat the signals with 3MHz separation between the input and the output signals, and its power can be increased by adding amplifiers from 250W to 2KW.



GENERAL CHARACTERISTICS

RECEIVER MR PLATINUM	
OPERATING FREQUENCY RANGE	87.5-108MHz
POWER SUPPLY	100, 120, 220 & 240V $\pm 10\%$ 50-60Hz, single-phase 22W 24VDC optional
COOLING	Forced air
SENSITIVITY	MPX: 100mV or less 60dB SNR MONO: 100 μ V or less 65dB SNR
SELECTIVITY	± 100 KHz at -3dB ± 350 KHz at -70dB
TOTAL HARMONIC DISTORTION	<0.2%
SEPARATION BETWEEN STEREO CHANNELS	>40dB, from 50Hz to 15KHz
AUDIO OUTPUTS	MPX: +13dBm, 600 Ω unbalanced MONO: +13dBm, 600 Ω unbalanced
NOISE FACTOR	Approx. 6
OPERATION TEMPERATURE	-10 to +45°C
HUMIDITY	90% max., without condensation
DIMENSIONS	82x326x445mm
WEIGHT	8Kg

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TRANSMITTER EM 20/30	
OPERATING FREQUENCY RANGE	87.5-108MHz
MODULATION	±75KHz máximo deviation
EMISSION TYPE	F3E, F8E class
VCO TUNING	25MHz
FREQUENCY STABILITY	±2.0 ppm
FREQUENCY TUNING STEP	10KHz
RF OUTPUT POWER	0-30Wrms adjustable
SPURIOUS	<-80dBc
HARMONICS	<-70dBc
STEREO CHANNEL SEPARATION	>55dB/1KHz
T.H.D. DISTORTION	<0.1%/1KHz (0.08% typical)
BASE BAND FREQUENCY RESPONSE	0.15dB from 30Hz to 60KHz
UNWEIGHTED S/N RATIO	>78dB from 30Hz to 15KHz. Mono input. Pre-emphasis of 50µs
ASYNCHRONOUS AM S/N RATIO	>65dB ref. 100% AM/400Hz
SYNCHRONOUS AM S/N RATIO	>60dB with FM/75KHz/400Hz
PRE-EMPHASIS	50 or 75µs internally selectable
RF OUTPUT IMPEDANCE	50 Ohm asymmetrical, N(F) connector
MPX INPUT CONNECTOR (MAIN PROGRAM)	BNC(F)
STEREO INPUT IMPEDANCE (MAIN PROGRAM)	High-Z. 2KΩ
SCA INPUT CONNECTORS	BNC(F)
SCA INPUT IMPEDANCE	High-Z. 2KΩ
REMOTE CONTROL INTERFACE	Serial interface RS232
COOLING	Forced convection. Axial fan
OPERATING TEMPERATURE RANGE	-10 to +45°C
MAXIMUM RELATIVE HUMIDITY	90% max. non condensing
AC POWER SUPPLY	110-240VCA. 47/63Hz
DIMENSIONS	2 standard rack units of 19". 410mm depth
WEIGHT	4.8kg

** The images and/or technical specifications are subject to change without previous notice.*

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OMB BROADCAST
www.omb.com

OMB EUROPA
 C/ Paraguay 6, P.I. Centrovía
 50198 La Muela
 Zaragoza, España
europa@omb.com
comercial@omb.com

OMB AMÉRICA
 3100NW 72nd. Ave. Unit 112
 MIAMI, Florida 33122
 USA
usa@omb.com