

ANALOG MICROWAVE LINK UP TO 23GHz COMPACT 2-23GHz

The OMB analog microwave link **COMPACT 2-23GHz** is capable of transmitting 1 video and 2 audio signals with powers between 0.5-1W. This professional microwave has a split version design and it also has IF output monitoring.



PARTS OF THE LINK

- The transmission system is composed of the modulator **MOD 70** together with transmission head, which is mounted in a stainless steel outdoor box to be placed behind the parabolic antenna.
- The reception system is composed by the reception head inside a stainless steel outdoor box together with a demodulator **DEM 70**.

GENERAL CHARACTERISTICS

UP LINK	
POWER SUPPLY	+15Vcc, 0.7A maximum
IF INPUT	70MHz, 0dBm typical
LOCAL OSCILLATOR	User adjustable Step resolution: 1MHz
INPUT CONNECTOR	N(F)
OUTPUT CONNECTOR	N(M) or SMA(M)
INPUT/OUTPUT IMPEDANCE	50Ω
DIMENSIONS	25x20x8cm
OPERATION TEMPERATURE	-15 to +60°C
STORAGE TEMPERATURE	-25 to +70°C
DOWN LINK	
POWER SUPPLY	+15Vcc, 0.35A maximum
MINIMUM INPUT LEVEL	-70dBm
IF OUTPUT	70MHz
LOCAL OSCILLATOR	User adjustable Step resolution: 1MHz

INPUT CONNECTOR	N(F)
OUTPUT CONNECTOR	N(M) o SMA(M)
INPUT/OUTPUT CONNECTOR	50Ω
DIMENSIONS	25x20x8cm
OPERATION TEMPERATURE	-15 to +60°C
STORAGE TEMPERATURE	-25 to +70°C

MOD 70	
TRANSMISSION CAPACITY	1 video and 2 audios
IF OUTPUT	70MHz
IF INPUT/OUTPUT LEVEL	0dBm ±5dB
IF IMPEDANCE	50Ω
AUDIO INPUT LEVEL	+9dBm maximum
AUDIO INPUT IMPEDANCE	600Ω unbalanced
AUDIO INPUT CONNECTOR	XLR(F)
AUDIO SUB-CARRIER FREQUENCIES	7.02, 7.5MHz
AUDIO SUB-CARRIER MODULATION	±300KHz
AUDIO MODULATION	±75KHz
VIDEO OUTPUT LEVEL	1Vpp
VIDEO IMPEDANCE LEVEL	75Ω
VIDEO OUTPUT SWR	<-30dB
VIDEO PRE-EMPHASIS	CCIR (Rec. 405-1)
VIDEO MODULATION	±4MHz
AUDIO OUTPUT LEVEL	+9dBm maximum
AUDIO OUTPUT IMPEDANCE	600Ω unbalanced
AUDIO OUTPUT CONNECTOR	XLR(F)
VIDEO OUTPUT CONNECTOR	BNC(F)
RF OUTPUT CONNECTOR	N(F)
POWER SUPPLY	Switching power supply
DIMENSIONS	2 standard rack units of 19"
WORKING TEMPERATURE RANGE	-5 to +45°C

DEM 70	
TRANSMISSION CAPACITY	1 video and 2 audios
IF OUTPUT	70MHz
IF OUTPUT LEVEL	0dBm ±5dB
IF IMPEDANCE	50Ω
AUDIO SUB-CARRIER FREQUENCIES	7.02, 7.5MHz
AUDIO SUB-CARRIER MODULATION	±300KHz
AUDIO MODULATION	±75KHz
VIDEO OUTPUT LEVEL	1Vpp
VIDEO IMPEDANCE LEVEL	75Ω

broadcast your _ world

VIDEO OUTPUT SWR	<-30dB
VIDEO PRE-EMPHASIS	CCIR (Rec. 405-1)
AUDIO OUTPUT LEVEL	+9dBm maximum
AUDIO OUTPUT IMPEDANCE	600Ω unbalanced
AUDIO OUTPUT CONNECTOR	XLR(F)
VIDEO OUTPUT CONNECTOR	BNC(F)
POWER SUPPLY	Switching power supply
DIMENSIONS	2 standard rack units of 19"
WORKING TEMPERATURE RANGE	-5 to +45°C

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

broadcast your _ world

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