

DEMODULATOR FOR ANALOG MICROWAVE LINK DEM 70

The OMB demodulator **DEM 70** is part of a TV modulation-demodulation system, which enables the transmission of 1 video and 2 audio signals through a microwave path (together with the corresponding up/down converters). The 70MHz output signal comes with electrical voltage to feed the down converter module.



GENERAL CHARACTERISTICS

TRANSMISSION CAPACITY	1 video and 2 audios
IF OUTPUT	70MHz
IF OUTPUT LEVEL	0dBm $\pm$ 5dB
IF IMPEDANCE	50 Ω
AUDIO SUB-CARRIER FREQUENCIES	7.02, 7.5MHz
AUDIO SUB-CARRIER MODULATION	$\pm$ 300KHz
AUDIO MODULATION	$\pm$ 75KHz
VIDEO OUTPUT LEVEL	1Vpp
VIDEO IMPEDANCE LEVEL	75 Ω
VIDEO OUTPUT SWR	<-30dB
VIDEO PRE-EMPHASIS	CCIR (Rec. 405-1)
AUDIO OUTPUT LEVEL	+9dBm maximum
AUDIO OUTPUT IMPEDANCE	600 Ω 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

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SYSTEM PERFORMANCE TX-RX

DIFFERENTIAL GAIN	<5%
DIFFERENTIAL PHASE	<5°
GROUP DELAY	<20ns
K2T FACTOR	<2%
VIDEO BANDWIDTH (PAL)	2Hz-5MHz (±0.5dB)
AUDIO BANDWIDTH	30Hz-15KHz
AUDIO THD	<1%

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

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