

OPA-AV20

TRANSMITTER : HYC60110S-T

RECEIVER : HYC60110S-R

Digital One Channel Video/ two Bi-direction Channels
Audio/ Multiplexer/Tranmitter and Receiver/
Demultiplexer Cards

For the high quality transmission of one channel of
composite baseband video and two Bi-direction
Channels Audio and in one direction over one optical
fiber



Specifications for the HYC60110S-T and HYC60110S-R Optical, by Model Number, for Complimentary T/R Pairs

Model # of Complimentary T/R Pairs	Fiber Type	Wavelength (nm)	Output Power (Peak,dBm)	Receiver Sensitivity (dBm)	Link Buddget (dB)	Range (Km)
HYC60110S-BMS020-T	SM	1310	-7	-26	19	20
HYC60110S-BMS020-T		1550	-8	-24	16	

Optical , by Module Number , for Complimentary T/R Pairs

Video		Audio Transmission by Port	
Video Format	NTSC, PAL, SECAM	Audio Port	
Voltage	1V p-p, 75 Ω	Connector	Industry 5 pins
Bandwidth	6.5MHz, -3dB	SNR	≥ 86dB
Differential Gain	≤ 2% typical	Sampling Rate	44.1 K
Differential Phase	≤ 2% typical	Bandweth	10Hx - 20Khz
Video SNR	≥ 67dB over usable fiber range	Encoding	24 Bit
Encoding	8-bit liner PCM	Single Level (I/O)	3Vp_p
Sampling Rate	15MHz	Type	Unbalanced input/output
Bit Rate Over Fiber	155Mbps	Power	
Wavelength T to R	1310nm	Requirements	0.48A@6.5VDC
Wavelength R to T	1550nm	Source	Power Supply or Chassis
Fiber Connector	FC/PC	Backplane	
Physical		Environmental	
Dimensions (in mm)	25H x 200W x 220D	Operating Temperature	-20°C to 70°C
Weight (in Kg)	1.1	Storage Temperature	-45°C to 85°C
		Relative Humidity	0 to 95% non-condensing