



AWV365/366

2.4GHz Video/Audio Tx & Rx

19-May-00 P1/2

TECHNICAL SPECIFICATION

General:

Operation Frequency Range	2400 ~ 2483MHz
Channel Selection	PLL Synthesizer, 4ch. Sliding Switch
Video-Audio Modulation/ Demodulation Type	FM-FM
Antenna Type	Dipole Antenna
Power on Indicator	LED, RED

Transmitter (AWV365 Tx):

Adaptor	12V, 500mA, 5.5mm
Power Consumption	140mA, typ.
Input Port	RCA A/V Line jacks
Output Power (EIRP)	10 dBm, 20dBm (option)
Video	
Input Impedance	75Ω, typ.
Input Signal Level	1V _{P-P} , typ.
S/N Ratio (100KHz, 1V _{P-P} Sine Wave)	45dB, typ.
Carrier Frequency Accuracy	± 100KHz
Audio	
Input Impedance	10KΩ, typ.
Input Frequency Range	50Hz ~ 20KHz
Input Signal Level (Modulation Signal : 50Hz~15KHz Sine Wave)	3V _{P-P} , typ.
Harmonic Distortion (50Hz~6KHz, 3V _{P-P} Sine Wave) (6KHz~15KHz, 2V _{P-P} Sine Wave)	2%, max.
S/N Ratio (50Hz ~ 15KHz)	45dB, min.
Subcarrier Frequency Accuracy	± 50KHz
Subcarrier Power Level (w.r.t. Video Carrier)	25dBc, typ.

AIRWAVE TECHNOLOGIES INC.

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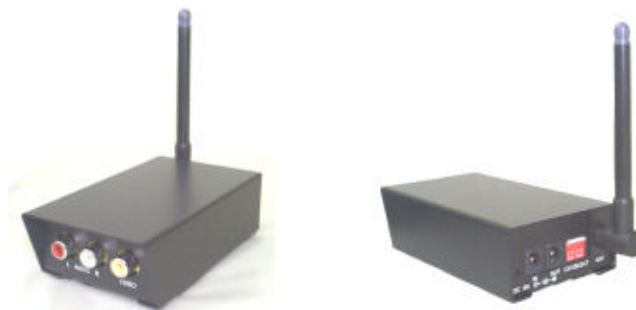
AWV365/366

2.4GHz Video/Audio Tx & Rx

19-May-00 P2/2

Receiver (AWV366 Rx):

Adaptor	9V, 300mA, 5.5mm
Power Consumption	200mA, typ.
Output Port	RCA A/V Line Jacks
Input Sensitivity (@Video S/N ratio > 30dB)	-80dBm, typ.
Input Signal Level Range	-90dBm ~ -25dBm
Noise Figure	4dB, typ.
LO Frequency Accuracy	$\pm 100\text{KHz}$
Video	
Output Level (100KHz Sine Wave)	1 V _{P-P} , $\pm 0.2\text{V}$
S/N Ratio (100KHz, 1V _{P-P} Sine Wave) (@-65dBm Input Carrier Level)	40dB, min.
Audio	
Output Level	3 V _{P-P} , $\pm 0.3\text{V}$
Frequency Response (50 ~ 15KHz)	$\pm 5\text{ dB}$, max.
Harmonic Distortion (50Hz~15KHz, 1V _{P-P} Sine Wave)	2% max.
S/N Ratio (50Hz~15KHz) (@-65dBm Input Carrier Level)	45dB, min.
R-L Separation (1KHz, 3V _{P-P} Sine Wave)	30dB, min.
R-L Balance (1KHz, 3V _{P-P} Sine Wave)	2dB, max.



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