

**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)   |
| <b>Video</b>                                                                                            |                          |
| Input Impedance                                                                                         | 75Ω, typ.                |
| Input Signal Level                                                                                      | 1V <sub>P-P</sub> , typ. |
| S/N Ratio (100KHz, 1V <sub>P-P</sub> Sine Wave)                                                         | 45dB, typ.               |
| Carrier Frequency Accuracy                                                                              | ± 100KHz                 |
| <b>Audio</b>                                                                                            |                          |
| Input Impedance                                                                                         | 10KΩ, typ.               |
| Input Frequency Range                                                                                   | 50Hz ~ 20KHz             |
| Input Signal Level (Modulation Signal : 50Hz~15KHz Sine Wave)                                           | 3V <sub>P-P</sub> , typ. |
| Harmonic Distortion (50Hz~6KHz, 3V <sub>P-P</sub> Sine Wave ) (6KHz~15KHz, 2V <sub>P-P</sub> 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.              |

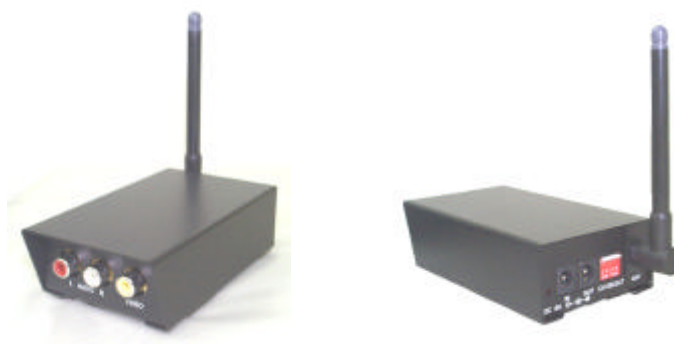
**AIRWAVE TECHNOLOGIES INC.**

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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                                                            | $\pm 100\text{KHz}$                    |
| <b>Video</b>                                                                     |                                        |
| Output Level (100KHz Sine Wave)                                                  | 1 V <sub>P-P</sub> , $\pm 0.2\text{V}$ |
| S/N Ratio (100KHz, 1V <sub>P-P</sub> Sine Wave)<br>(@-65dBm Input Carrier Level) | 40dB, min.                             |
| <b>Audio</b>                                                                     |                                        |
| Output Level                                                                     | 3 V <sub>P-P</sub> , $\pm 0.3\text{V}$ |
| Frequency Response (50 ~ 15KHz)                                                  | $\pm 5\text{ dB}$ , max.               |
| Harmonic Distortion<br>(50Hz~15KHz, 1V <sub>P-P</sub> Sine Wave)                 | 2% max.                                |
| S/N Ratio (50Hz~15KHz)<br>(@-65dBm Input Carrier Level)                          | 45dB, min.                             |
| R-L Separation (1KHz, 3V <sub>P-P</sub> Sine Wave)                               | 30dB, min.                             |
| R-L Balance (1KHz, 3V <sub>P-P</sub> Sine Wave)                                  | 2dB, max.                              |

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