

## DECODIFICADORES ANALÓGICOS SScientific Atlanta 8610X e STAR



|                                          |                                                                                                             |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Environmental                            |                                                                                                             |
| Temperature                              | 0°C to 45°C                                                                                                 |
| Relative humidity                        | 5% to 95% (noncondensing)                                                                                   |
| Electrical                               |                                                                                                             |
| Input Bandwidth                          | 50 MHz to 750 MHz                                                                                           |
| Output Channel                           | 2/3 or 3/4                                                                                                  |
| Output Level                             | 9 dBmV nominal                                                                                              |
| Noise figure                             | 9dB typical (including baseband circuitry)                                                                  |
| Return loss                              |                                                                                                             |
| Input                                    | 7 dB min                                                                                                    |
| Output                                   | 10 dB min                                                                                                   |
| Spurious response                        |                                                                                                             |
| Output                                   | -57 dBc in channel                                                                                          |
| Frequency accuracy                       | $\pm 100$ kHz max                                                                                           |
| Frequency stability                      | $\pm 100$ kHz max                                                                                           |
| AC input                                 | 103.5 V to 126.5 V                                                                                          |
| Surge protection                         | AC input, tested at 3.5 kV from 10u F cap<br>RF input, tested at 3.5 kV from 10u F cap                      |
| Distortion at 15 dBmV 80 channel loading | Flat input, second order: -57 dB max<br>Cross modulation: - 57 dB max<br>Composite triple beat: - 63 dB max |
| Input level                              | -7 dBmV to 20 dBmV (operational)                                                                            |
| Audio distortion                         | THD 2.5% max                                                                                                |
| Audio signal-to-noise                    | 50 dB min                                                                                                   |
| Aural carrier                            | 4.5 MHz $\pm 5$ kHz – offset from visual carrier                                                            |
| Mechanical                               |                                                                                                             |
| Keyboard type                            | Individual push-button switches<br>Front location                                                           |

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| User Interface                |                                                            |
| Display type                  | LED, 4 digits, clock display                               |
| On-screen display             | 16 lines x 45 columns (and 16 lines x 24 columns)          |
| Graphics capability           | 320 pixels x 200 pixels x 16 colors Palette of 1208 colors |
| X-Port                        |                                                            |
| Transmit/receive line voltage | TTL logic levels                                           |
| Baud rate                     | 14,42 kb/s (nominal)                                       |
| RF Return                     |                                                            |
| Frequency range               | 15.5 MHz to 17.7 MHz                                       |
| Modulation rate               | 20 kbps                                                    |
| Modulation technique          | BPSK                                                       |
| Maximum output power          | 60 dBmV (transmission peak)                                |