



## GT-S1dCSS24

dLNB® Programmable Line

24 UB dCSS® LNB  
with 1 SAT Legacy output.



VIEW ONLINE

dCSS®

dLNB®

dHELLO®



## TECHNICAL SPECIFICATIONS



|                                                 | PROGRAMMABLE L-SHAPE                                                                                                                        | LEGACY PORT                                                                                                        |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| INPUT FREQUENCY                                 | 10.7 ~ 12.75 GHz                                                                                                                            | 0.7 ~ 12.75 GHz                                                                                                    |
| OUTPUT FREQUENCY                                | 950 ~ 2150 MHz                                                                                                                              | 950 ~ 2150 MHz                                                                                                     |
| LO. FREQUENCY                                   | 9.75 & 10.6 GHz                                                                                                                             | 9.75 & 10.6 GHz                                                                                                    |
| NUMBER OF USER BANDS                            | 24                                                                                                                                          | -                                                                                                                  |
| WORKING MODE                                    | Dynamic                                                                                                                                     | -                                                                                                                  |
| PROGRAMMABILITY                                 | YES                                                                                                                                         | -                                                                                                                  |
| PREPROGRAMMED UB FREQUENCY<br>(dCSS® PORT ONLY) | 975, 1025, 1075, 1125, 1225,<br>1275, 1325, 1375, 1425, 1475,<br>1525, 1575, 1675, 1775, 1825,<br>1875, 1925, 1975, 2025, 2075,<br>2125 MHz | -                                                                                                                  |
| USER BAND (UB) BANDWIDTH                        | Up to 82 MHz<br>(Programmable with 0.1 MHz accuracy)                                                                                        | +/- 0.5 MHz at room temperature<br>+/- 1 MHz over room temperature                                                 |
| LO. STABILITY                                   | +/- 0.5 MHz at room temp.<br>+/- 1 MHz over room temp.                                                                                      | -                                                                                                                  |
| POLARITY SWITCHING VOLTAGE                      | -                                                                                                                                           | 10.5 ~ 14.0 Vdc, 16.0 ~ 21.0 Vdc                                                                                   |
| BAND SWITCHING SIGNAL                           | -                                                                                                                                           | Low Band: 0 KHz<br>High Band: 22 KHz +/- 4 KHz                                                                     |
| NOISE FIGURE                                    | 0.1 dB (typical)                                                                                                                            | 0.1 dB (typical)                                                                                                   |
| GAIN                                            | 42 ~ 62 dB (Programmable with 1 dB step)                                                                                                    | 57 - 61 dB                                                                                                         |
| GAIN FLATNESS                                   | +/- 0.5 dB at 26 MHz over room temp.                                                                                                        | +/- 0.5 at 26 MHz over room temp.                                                                                  |
| GAIN VARIATION                                  | 1 dB over room temp. (by programming)                                                                                                       | 4 dB over room temperature                                                                                         |
| CROSS-POL. ISOLATION                            | 22 dB over room temperature                                                                                                                 | 22 dB over room temperature                                                                                        |
| IMAGE REJECTION                                 | > 40 dB over room temperature                                                                                                               | > 40 dB over room temperature                                                                                      |
| IM3 SUPPRESSION                                 | > 60 dB at IF signal power                                                                                                                  | > 50 dBc at IF signal power,<br>-15 dBm over room temperature                                                      |
| LO. FREQUENCY PHASE NOISE                       | Integration P.N. < 2.5° RMS<br>at 10 KHz ~ 13 MHz                                                                                           | < -60 dBc at 1KHz, < -85 dBc @10 KHz<br>< -97 dBc at 100 KHz, < -120 dBc @1 MHz<br>< -55 dBm over room temperature |
| IN-BAND SPURIOUS                                | -                                                                                                                                           | -                                                                                                                  |
| CONTROL SIGNAL                                  | EN50494, EN50607, dHello®                                                                                                                   | -                                                                                                                  |
| COMMUNICATION                                   | DiSEqC 2.0                                                                                                                                  | -                                                                                                                  |
| OPERATING SYSTEM TEMPERATURE                    | -30°C ~ +65°C                                                                                                                               | -30°C ~ +65°C                                                                                                      |
| POWER SUPPLY VOLTAGE                            | 10 - 20V                                                                                                                                    | 10 - 20V                                                                                                           |
| POWER CONSUMPTION                               | 4.5W (maximum)                                                                                                                              | 140 mA (maximum)                                                                                                   |
| FEED LENGTH                                     | 42 mm                                                                                                                                       | 42 mm                                                                                                              |

## PACKAGING INFORMATION

|                  |               |
|------------------|---------------|
| EAN CODE         | 5453001615561 |
| QUANTITY PER BOX | 50 pcs        |
| GROSS WEIGHT     | 13,6 kg       |
| HEIGHT           | 31,3 cm       |
| LENGTH           | 53 cm         |
| WIDTH            | 32,3 cm       |