



dLNB® Programmable Line

Digital Single Cable LNB dCSS® 24 UB with
3 SAT Legacy Output.

dCSS®
dLNB®
dHELLO®



TECHNICAL SPECIFICATIONS

PROGRAMMABLE L-SHAPE

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

LEGACY PORT

INPUT FREQUENCY	10.7 ~ 12.75 GHz
OUTPUT FREQUENCY	950 ~ 2150 MHz
LO. FREQUENCY	9.75 & 10.6 GHz
NUMBER OF USER BANDS	-
WORKING MODE	-
PROGRAMMABILITY	-
PREPROGRAMMED UB FREQUENCY (dCSS® PORT ONLY)	-
USER BAND (UB) BANDWIDTH	+/- 0.5 MHz at room temperature +/- 1 MHz over room temperature
LO. STABILITY	-
POLARITY SWITCHING VOLTAGE	10.5 ~ 14.0 Vdc, 16.0 ~ 21.0 Vdc
BAND SWITCHING SIGNAL	Low Band: 0 KHz
NOISE FIGURE	High Band: 22 KHz +/- 4 KHz
GAIN	0.1 dB (typical)
GAIN FLATNESS	57 - 61 dB
GAIN VARIATION	+/- 0.5 at 26 MHz over room temp.
CROSS-POL. ISOLATION	4 dB over room temperature
IMAGE REJECTION	22 dB over room temperature
IM3 SUPPRESSION	> 40 dB over room temperature > 50 dBc at IF signal power
LO. FREQUENCY PHASE NOISE	-15 dBm over room temperature < -60 dBc at 1KHz, < -85 dBc at 10 KHz, < -97 dBc at 100 KHz, < -20 dBc at 1 MHz < -55 dBm over room temperature
IN-BAND SPURIOUS	-
CONTROL SIGNAL	-
COMMUNICATION	-
OPERATING SYSTEM TEMPERATURE	-30°C ~ +65°C
POWER SUPPLY VOLTAGE	10 - 20V
POWER CONSUMPTION	140 mA (maximum)
FEED LENGTH	42 mm

PACKAGING INFORMATION

QUANTITY PER BOX	36 pcs
GROSS WEIGHT	14 kg
HEIGHT	31,3 cm
LENGTH	53 cm
WIDTH	32,3 cm