



GT-SAT dLNB programmable line



DYNAMIC MODE

Programmable L Shape SPECIFICATION

GT-S3DCSS24 3 Legacy output

Legacy Port SPECIFICATION

	Programmable L Shape SPECIFICATION	GT-S3DCSS24 3 Legacy output	Legacy Port SPECIFICATION
Input Frequency	10.7 ~ 12.75 GHz		10.7 ~ 12.75 GHz
Output Frequency	950 ~ 2150 MHz		950 ~ 2150 MHz
LO Frequency	9.75 & 10.6GHz		9.75 & 10.6GHz
Number of User Bands	24		/
Working Mode	Dynamic		/
Programmability	YES		/
Preprogrammed user bands frequency	975, 1025, 1075, 1125, 1175, 1225, 1275, 1325, 1375, 1425, 1475, 1525, 1575, 1625, 1675, 1725, 1775, 1825, 1875, 1925, 1975, 2025, 2075, 2125 MHz		/
User Band Bandwidth	up to 82 MHz (programmable with 0.1MHz accuracy)		/
LO Stability	+/- 1 MHz @ room temp. +/- 3 MHz @ over temp.		+/- 1 MHz @ room temp. +/- 3 MHz @ over temp.
Polarity Switching Voltage	/		10.5 ~ 14.0 Vdc 16.0 ~ 21.0 Vdc
Band Switching Signal	/		Low Band : 0 kHz High Band : 22 kHz +/- 4kHz
Noise Figure	0.1dB (Typ.)		0.1dB (Typ.)
Gain	42 ~ 62 dB (Programmable with 1dB step)		57 ~ 61 dB
Gain Flatness	+/-0.2dB @ 26MHz over temp.		+/-0.5dB/26MHz over temp.
Gain Variation	1dB over temp. (by programming)		4 dB over temp.
Cross-Pol. Isolation	>25 dB over temp.		>25 dB over temp.
Image Rejection	>40 dB over temp.		>40 dB over temp.
IM3 suppression	>60 dBc @ IF signal power		>50 dBc @ IF signal power -15 dBm over temp.
LO Freq Phase Noise	Integration phase noise < 2.5 degree RMS @ 10 kHz ~ 13MHz		<-60 dBc @ 1 kHz <-85 dBc @ 10 kHz <-105 dBc @ 100 kHz <-120 dBc @ 1 MHz
In-Band Spurious			<- 55 dBm over temp.
Control Signal	EN50494, EN50607, dHello		/
Communication	DiSEqC 2.0		/
Operating Temperature Range	-30°C ~ +65°C		-30°C ~ +65°C
Power Supply Voltage	10 - 20 V		10 - 20 V
Power Consumption	4.70W (max.)		100 mA
Feed Length	42mm		42mm