

GT-S1SCR4 Single Cable Router LNB		
	LEGACY Port Specification	SAT-SCR Port Specification
Low Band LO	9.75 GHz	9.75 GHz
High Band LO	10.6 GHz	10.6 GHz
Fixed User Bands	/	Channel 1: 1210 MHz
		Channel 2: 1420 MHz
		Channel 3: 1680 MHz
		Channel 4: 2040 MHz
LO Stability	+/- 1 MHz @ room temp.	+/- 2.5 MHz @ room temp.
	+/- 2.5 MHz @ over temp.	+/- 4 MHz @ over temp.
Noise Figure	0.2dB (Typ.)	0.2dB (Typ.)
Gain	57~65 dB	58~67 dB
Gain Flatness	+/-0.5dB/26MHz over temp.	+/-0.5dB/26MHz over temp.
Gain Variation	6 dB over temp.	6 dB over temp.
In-Band Spurious	<- 55 dBm over temp.	<- 47 dBm over temp.
Cross-Pol. Isolation	>20 dBm over temp.	>20 dBm over temp.
Control Signal	DiSEqC 1.0	DiSEqC-ST
Polarity Switching Voltage	10.5 ~ 14.0 Vdc	SATCR control firmware from ST
	16.0 ~ 21.0 Vdc	
Band Switching Signal	Low Band : 0 KHz	SATCR control firmware from ST
	High Band : 22 KHz +/- 4KHz	
Image Rejection	>40 dB over temp.	>40 dB over temp.
IM3 suppression	>50 dBc @ IF signal power	>50 dBc @ IF signal power
	-15 dBm over temp.	-15 dBm over temp.
LO Freq Phase Noise	<-55 dBc @ 1 kHz	Integration phase noise
	<-75 dBc @ 10 kHz	< 2.5 degree RMS
	<-100 dBc @ 100 kHz	@ 10 kHz ~ 13MHz
	<-120 dBc @ 1 MHz	
Operating Temperature Range	-40°C ~ +65°C	-40°C ~ +65°C
Power Consumption	200 mA	300 mA
Feed Length	42 mm	42 mm