

6 Band LNB Controller

CT6I : TTL type, 10MHz Internal Reference

LNB Controller series

Model No.	Band Selection	10 MHz Reference	Model No.	Band Selection	10 MHz Reference
CT6X	TTL type	External (Injection SMA)	CR6X	Rotary Switch	External (Injection SMA)
CT6I		Internal	CR6I		Internal
CT6		None	CR6		None

Technical Specifications

Parameter	Specification	Parameter	Specification
Frequency range	950 - 2150 MHz	10MHz Ref. Phase Noise	-120 dBc/Hz @10Hz
LNB port			-135 dBc/Hz @100Hz
Insertion loss	3.0 dB max.		-150 dBc/Hz @1KHz
Insertion loss ripple	1.2 dBp-p max.		-155 dBc/Hz @10KHz
Input, output return loss	9.5 dB min.	Input voltage range	23 ~ 25 VDC
Modem port-out return loss	9.5 dB min.	Required current (warm up)	1100 mA max.
Tone frequency	20 ~ 24 KHz	(running)	900 mA max.
Tone amplitude	0.55 ~ 0.9 vpp	Warm up time	10 minute
Tone duty rate	45% min. 55% max.	Operating temperature	-40°C to +60°C
10MHz Ref. Output Power	0±2dBm	Dimension (exclude connector)	130.0 x 120.0 x 30.0 mm
		Weight	850 g

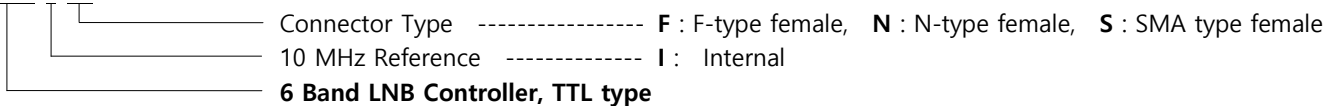
Band Selection

Band	Pin 1 (Voltage select)	Pin 2 (22KHz Tone)	Pin 4 (22V select)	Output
Band 1	L	L	L	13 VDC
Band 2	L	H	L	13 VDC & Tone
Band 3	H	L	L	18 VDC
Band 4	H	H	L	18 VDC & Tone
Band 5	L	L	H	22 VDC
Band 6	L	H	H	22 VDC & Tone

L : 0~0.8V, H : 2.5~5V (25uA)

How to modeling

CT6 I N



Mechanical Diagram

