ULC-2N-50

Universal LNB Controller

Reference: 2N: 10 MHz injection port (N Connector)
Connector Type: 50: N-Connector
Control Interface Option: Blank: Switch Control Only

CE

KEY SPECIFICATIONS

CI Option Logic Levels	L: 0 - 0.8 V; H: 2.5 - 7 V (20mA)
Reference Signal	10MHz injection port
Tone Amplitude	0.55 ~ 0.9 vpp
Tone Frequency	20 ~ 24 kHz

RF SPECIFICATIONS

Output VSWR	2.0 : 1 max.

ELECTRICAL SPECIFICATIONS

Current Consumption	600 mA/24 V
Output Current	500 mA max.
Output Voltage 1	12.5 ~ 13.5 VDC
Output Voltage 2	17.3 ~ 18.7 VDC
Power Requirements	+23 to +25 V DC

INTERFACE SPECIFICATIONS

Connector	N-Connector
Control Interface	Switch, Cable, Line Length Compensation with switch
RF Input Connector	50 Ohm N Connector

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 66
Temperature Operational	-30°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height	30 mm
Product Length	130 mm
Product Weight	0.66 kg

Product Width   95 mm

LOGISTICS SPECIFICATIONS

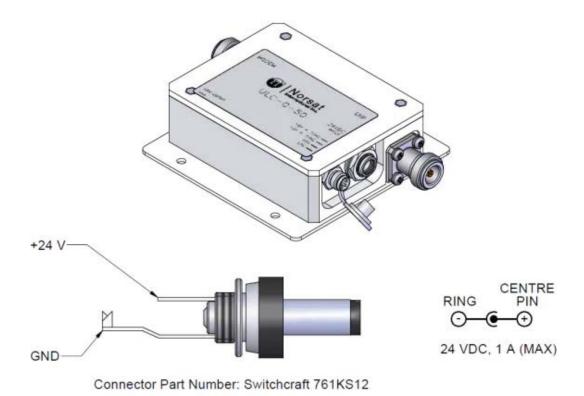| HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Canada	Richmond, BC, Canada	EAR99	|

HOW TO ORDER

ULC-0-50-CI

UNIVERSAL LNB CONTROLLER

CONTROL INTERFACE OPTION
Blank: Switch Control only
CI: Control Interface Cable
LLC: Line Length Compensation with Switch

CONNECTOR TYPE
75: 75 Ohm F connector
50: 50 Ohm N connector
50s: 50 Ohm SMA connector

REFERENCE
0: no reference
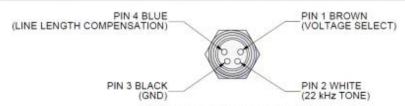1: 10 MHz reference
2F, 2N, 2S: 10 MHz injection port, F, N or SMA connector

MECHANICAL DIAGRAMS

Connector Part Number: Switchcraft 761KS12

RING — CENTRE PIN
24 VDC, 1 A (MAX)

BAND SELECTION

PIN 4 BLUE
(LINE LENGTH COMPENSATION)

PIN 1 BROWN
(VOLTAGE SELECT)

PIN 3 BLACK
(GND)

PIN 2 WHITE
(22 kHz TONE)

LNB Controller Connector End View
Mating Connector Part Number: Binder 79-3382-42-04

22kHz Tone	Voltage	Line Length Compensation	Output
L	L	L	13V
L	H	L	18V
L	L	H	14V
L	H	H	19V
H	L	L	13V + tone
H	H	L	18V + tone
H	L	H	14V + tone
H	H	H	19V + tone