



DIGIALITY SC-1, Single, C-120 LNB

PRODUCT VISUAL



PRODUCT DESCRIPTION

1 user, C-120.

FEATURES

TECHNICAL SPECIFICATIONS

Input frequency range

Low band: 10.7 ~ 11.7 GHz

High band: 11.7 ~ 12.75 GHz

Output frequency range

Low band: 950 ~ 1950 MHz

High band: 1100 ~ 2150 MHz

L.O. Frequency

Low band: 9.75 GHz

High band: 10.6 GHz

L.O. Frequency stability

25° C: ± 1 MHz

-30° ~ 60° C: ± 3 MHz

L.O. Phase noise

1 KHz Offset: -60 dBc/Hz

10 KHz Offset: -80 dBc/Hz

100 KHz Offset: -100 dBc/Hz

Noise figure

Typ.: 0.3 dB

Band switching

Low band: 0 KHz

High band: 22 KHz ± 4 KHz continuous tone signal

Input reflector type

CR 120 Circular Waveguide

Cross pol. isolation

Min.: 22 dB

Typ.: 25 dB

Conversion gain

Min.: 50 dB

Max.: 62 dB

Gain flatness

± 0.5 dB / 27 MHz

Output power

Min.: 0 dBm (at 1 dB Gain compression point)

Output return loss

7.5 dB

Output connector

75 Ω F Type (Female)

D.C. Current consumption

Max.: 150 mA

Typ.: 90 mA

Polarity switching voltage

Vertical: 11.5 ~ 14 V

Horizontal: 16 ~ 19 V

D.C. Supply voltage

11.5 ~ 19 V