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**300 KHz Stability!**

# Avenger PLL321S-2

High Stability PLL Universal Single Ku LNBF

## Features:

- High Stability PLL321S-2 Universal Ku LNBF
- Worlds First Smallest PLL Ku LNBF
- Easy Installation (40mm throat size)
- Superb Non Drift Performance
- L.O. Accuracy & Stability Within +/-300KHz
- 100% Water Leak Proof

## Specifications:

INPUT FREQUENCY RANGE: 10.7 ~ 11.7 GHz 11.7 ~ 12.75 GHz

F/D RATIO: 0.5 ~ 0.7

CROSS POL. ISOLATION: 20 dB (Min.)

NOISE FIGURE: 0.1 dB

CONVERSION GAIN: 60 dB (typical)

GAIN FLATNESS:  $\pm 0.5$  dB / 27 MHz

OUTPUT FREQUENCY: 950 ~ 1950 MHz 1100 ~ 2150 MHz

L.O. FREQ.: 9.75 GHz 10.60 GHz

L.O. FREQ. STABILITY:

(25°C)  $\pm 300$ KHz

(-40°C ~ 60°C)  $\pm 500$ Hz

L.O. PHASE NOISE:

-55 dBc / Hz ( @ 1KHz )

-75 dBc / Hz ( @ 10KHz )

-90 dBc / Hz ( @ 100KHz )

OUTPUT POWER LEVEL: 0 dBm (AT 1 dB GAIN COMPRESSION)

IMAGE REJECTION: > 40dBc

OUTPUT VSWR: 2.5 : 1 (MAX.)

OUTPUT CONNECTOR: 75  $\Omega$  F Type Female

DC CURRENT CONSUMPTION: 165mA Max

OPERATING VOLTAGE:

(1) 11.5 ~ 14.0 V  $\rightarrow$  Vertical Polarization

(2) 16.0 ~ 19.0 V  $\rightarrow$  Horizontal Polarization

(3) Continuous 22KHz  $\pm$  4KHz  $\rightarrow$  High Band Selection

OPERATING TEMPERATURE: -40° ~ +60°

\* CE Conformity assessment through ETC

\*\* WEEE / RoHS Conformity assessment through Bureau Veritas

Subject to change without notice.

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