

Innovative Communication Solutions



BUC

KU-BAND 1081XRTS 8W NON-INVERTED

SELECTABLE

TYPICAL SPECIFICATIONS

Output frequency 13.75 to 14.50 GHz

(14.00 to 14.50 GHz)

Input frequency 950 to 1700 MHz

(950 to 1450 MHz)

Output to P1dB 39 dBm

L.O. frequency 12.8 GHz (13.05 GHz)

 Input VSWR
 2.0 : 1

 Output VSWR
 2.1 : 1

Phase noise (SSB) -70 dBc/Hz at 1 kHz

-80 dBc/Hz at 10 kHz -90 dBc/Hz at 100 kHz

External reference 10 MHz

signal frequency

Power requirements BUC: 48V BUC & AC PS: 100V

BUC & AC PS: 240V

Power consumption BUC: 80W

BUC & AC PS: 94W BUC & AC PS: 91W

Output Waveguide WR75 - grooved

Dimensions BUC: 230 (L) x 130 (W) x 130 (H) mm

(9.1 x 5.1 x 5.1 in)

PS: 258 (L) x 149 (W) x 73 (H) mm

(10.2 x 5.9 x 2.9 in)

 Weight
 BUC:
 4.0 kg / 8.8 lb

 PS:
 2.0 kg / 4.4 lb

HOW TO ORDER

1081XRTSN





External reference level

10 MHz external reference

phase noise

Gain (including variation over temperature and frequency)

Gain stability over temperature

Gain stability in-band at any constant temperature

Temperature Range

-5 to +5 dBm

-135 dBc/Hz at 100 Hz -140 dBc/Hz at 1 kHz

-150 dBc/Hz at 10 Hz

59 dB min 66 dB max

±2.25 dB at any constant frequency

±1.0 dB in any 54 MHz band

±3.0 dB over full 750 MHz band

-40°C to +55°C

Fully contained including universal outdoor AC power supply, universal BUC support brackets, 3m cable and AC power supply cord connectors (AC PS cable not included)

MECHANICAL DIAGRAM



