

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 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)

4.0 kg / 8.8 lb Weight BUC: 2.0 kg / 4.4 lb

HOW TO ORDER

1081XRTSN

CONNECTOR F - 75 Ohm N - 50 Ohm **SELECTABLE FREQUENCIES** P1dB 8 - 8W TRANSMITTER SERIES #



External reference level -5 to +5 dBm

10 MHz external reference -135 dBc/Hz at 100 Hz -140 dBc/Hz at 1 kHz phase noise -150 dBc/Hz at 10 Hz

Gain (including variation over 59 dB min temperature and frequency) 66 dB max

±2.25 dB at any constant frequency Gain stability over temperature

Gain stability in-band at any constant temperature

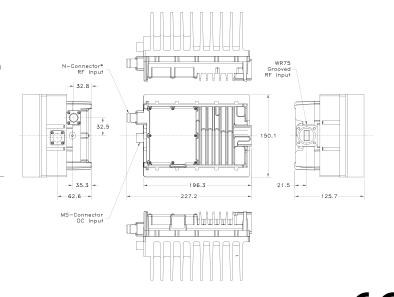
-40°C to +55°C **Temperature Range**

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)

±1.0 dB in any 54 MHz band

±3.0 dB over full 750 MHz band

MECHANICAL DIAGRAM







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