

Innovative Communication Solutions

BUC

KU-BAND 1081XRTSN 8W NON-INVERTED

SELECTABLE

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

10 MHz

External reference 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 (L x W x H)BUC: 230 mm x 130 mm x 130 mm

(9.1 in x 5.1 in x 5.1 in) PS: 258 mm x 149 mm x 73 mm

(10.2 in x 5.9 in x 2.9 in)

Weight BUC: 4.0 kg (8.8 lb)

PS: 4.0 kg (4.4 lb)

HOW TO ORDER

1081XRTSN

CONNECTOR N: Type N Connector (50 Ohm)

SELECTABLE FREQUENCIES

P1dB 8: 8W

TRANSMITTER SERIES #



External reference level

10 MHz external reference

phase noise

-135 dBc/Hz at 100 Hz -140 dBc/Hz at 1 kHz -150 dBc/Hz at 10 kHz

-5 to +5 dBm

Gain (including variation over 59 dB min

temperature and frequency) 66 dB max

Gain stability over temperature
Gain stability in-band at any

Gain stability in-band at any constant temperature

Temperature Range

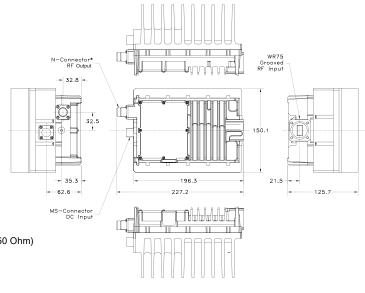
±2.25 dB at any constant frequency

±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





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