

Innovative Communication Solutions

BUC

KU-BAND 1041XRTS 4W NON-INVERTED

SELECTABLE

SPECIFICATIONS

Output frequency 13.75 to 14.50 GHz

(14.0 to 14.50 GHz)

Input frequency 950 to 1700 MHz

(950 to 1450 MHz)

 Output to P1dB
 36 dBm

 L.O. frequency
 12.80 GHz

(13.05 GHz)

 Input VSWR
 2.0:1

 Output VSWR
 2.1:1

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

-80 dBc/Hz at 10kHz

-90 dBc/Hz at 100kHz

External reference 10 MHz

signal frequency

Power requirements +15 to +24V supplied through center conductor of IF cable

Power consumption 45 W

Output Waveguide WR75 - grooved

Dimensions (L x W x H)228 mm x 125 mm x 65 mm

(9.0 in x 4.9 in x 2.6 in)

Weight 1.9 kg (4.2 lb)



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

M4xP0 7

DEPTH 8

-5 to +5 dBm

-135 dBc/Hz at 100 Hz

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

50 dB min

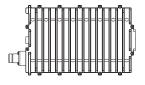
60 dB max

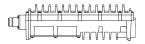
±2.25 dB at any constant frequency

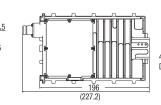
±1.0 dB in any 54 MHz band ±3.0 dB over full 750 MHz band

-40°C to +55°C

MECHANICAL DIAGRAM

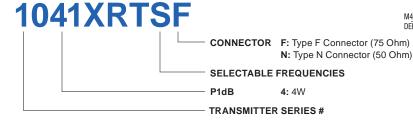








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