

iDIRECT BUC Series
4W Universal-Ku Band BUC (P/N: E0001102-0001)



The iDirect 4W Universal-Ku Band Block Up Converter (BUC) supports both standard and extended Ku-band frequencies for ultimate flexibility. This popular BUC exemplifies quality and reliability, ideal for networks requiring higher power for faster transmission speeds or when in regions subject to heavy rain fade.

Electrical Specifications

Output Frequency Range	13.75 to 14.5 GHz
Input Frequency Range	950 to 1,700 MHz
Conversion Type	Single, fixed L.O.
L.O. Frequency	12.80 GHz
Operating Power @ 1dB GCP	+36 dBm min. over temperature range
Linear Gain	62 dB nom., 56 dB min.
Input Impedance	75 Ω nom.
Input V.S.W.R.	2 : 1 max.
Output V.S.W.R.	2 : 1 max.
DC Power Requirement [Voltage Range]	+24 VDC (+15 to +30 VDC)
[Power Consumption]	37 W max. @ Pout = +36 dBm
LED Indicator	GREEN: L.O. locked RED: L.O. unlocked (or no 10 MHz reference signal)

Mechanical Specifications

Input Interface	F-Type, Female
Output Interface	Waveguide, WR-75 (with Groove)
Dimension & Housing	175.9 (L) x 143 (W) x 56.5 (H) mm 6.93" (L) x 5.63" (W) x 2.22" (H)
Weight	1.7 kg (3.7 lbs) max.

Environmental Specifications

Temperature Range (ambient)	-40 to +55°C (operating) -40 to +75°C (storage)
Humidity	0 to 100%
Altitude	15,000 feet
Compliance	CE, FCC, RoHS

Compatible with Evolution and Velocity. This product is manufactured in Japan and carries a 3-year warranty.

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Mechanical Drawing

