

Innovative Communication Solutions

BDC C-BAND 3000 SERIES



TYPICAL SPECIFICATIONS

(over temperature excl offset)

 Phase noise
 -73 dBc/Hz at 1 kHz

 (SSB)
 -90 dBc/Hz at 10 kHz

 -100 dBc/Hz at 100 kHz

 Input VSWR
 2.0 : 1

 Output VSWR
 2.0 : 1

FREQUENCY BANDS AVAILABLE

 Input frequency (GHz)
 3.40 to 4.20

 L.O. frequency (GHz)
 5.15

 Output frequency (MHz)
 950 to 1750

Conversion gain 40 dB

Gain stability over temperature ±2.5 dB at any constant frequency

 Output P1dB
 6 dBm

 Power requirements
 +15 to +24 V

Current drain 200 mA

 $\textbf{Dimensions} \hspace{1.5cm} 129 \hspace{1mm} \textbf{(L)} \hspace{1mm} \textbf{x} \hspace{1mm} 94 \hspace{1mm} \textbf{(W)} \hspace{1mm} \textbf{x} \hspace{1mm} 46 \hspace{1mm} \textbf{(H)} \hspace{1mm} \text{mm}$

 $\begin{tabular}{ll} \begin{tabular}{ll} Weight & 700\ g\ /\ 24.7\ oz \\ \begin{tabular}{ll} \begin{tabula$

HOW TO ORDER

MECHANICAL DIAGRAM



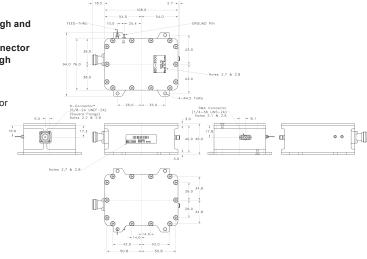
D - DC Power through Feed-Through and Output Connector

C - DC Power through Output Connector P - DC Power through Feed-Through

OUTPUT CONNECTOR F - F Connector N - N Connector

S - SMA Connector

BLOCK DOWN CONVERTER (Input Connector SMA)





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