

Specifications C- & KU-Band BDC

Supply of 3x C-BAND Block Down-Converter (BDC)

C-Band BDC N-TYPE OUTPUT with DC Power through Feed-Through and Output Connector

Description	Value	Description	Value
Frequency Bands (GHZ):	3,50 – 4,20	Phase Noise (SSB) max.	-73 dBc/Hz at 1 kHz
Frequency Bands (MHZ):	950 – 1750		-83 dBc/Hz at 10 kHz
L.O. Frequency (GHz):	5,15		-93 dBc/Hz at 100 kHz
L.O. Stability:	± 25 kHz max.	Input VSWR	2.0:1 max
Noise Figure	10 dB max. at room temp.	Output VSWR	2.0:1 max.
Gain	40 dB typ., 38 dB min., 42 dB max.	Output PldB	+ 5 dBm min.
Gain Flatness (over full band)	≤ 4 dB p-p	DC Power	+12 to +24V DC
			Feed-Through and Output Connector
Operating Temperature	- 40 to + 60°C	Current	300 mA max.
Storage Temperature	- 40 to + 80°C	Input (waterproof)	SMA-Connector (50 Ohm)
		Output (waterproof)	N-Connector (50 Ohm)

Supply of 4X KU-BAND Block Down-Converter (BDC)

KU-Band BDC N-TYPE OUTPUT with DC Power through Feed-Through and Output Connector

Description	Value	Description	Value
Frequency Bands (GHZ):	12,25 – 12,75	Phase Noise (SSB) max.	-70 dBc/Hz at 1 kHz
Frequency Bands (MHZ):	950 – 1450		-80 dBc/Hz at 10 kHz
L.O. Frequency (GHz):	11,3		-95 dBc/Hz at 100 kHz
L.O. Stability:	± 30 kHz max.	Input VSWR	1.8: 1 max
Noise Figure	15 dB max. at room temp.	Output VSWR	2.0: 1 max.
Gain	20 dB typ., 18 dB min., 22 dB max.	Output PldB	+ 5 dBm min.
Gain Flatness (over full band)	≤ 4 dB p-p	DC Power	+12 to +24V DC
			Feed-Through and Output Connector
Operating Temperature	- 40 to + 60°C	Current	300 mA max.
Storage Temperature	- 40 to + 80°C	Input (waterproof)	SMA-Connector (50 Ohm)
		Output (waterproof)	N-Connector (50 Ohm)