



BDC-CXACF

Single-Band C-Band EXT BDC

Frequency: C-Band: 3.4 - 4.2 GHz

Power Connector: Output connector only

Output Connector: F Connector



KEY SPECIFICATIONS

Band	C-Band
External Ref Freq	10 MHz, -5 to +5 dBm
L O Frequency 1	5.15 GHz
L O Stability	Depends on Ext. Ref
Noise Figure	10 dB max.
Output Frequency Band 1	950 - 1750 MHz
Required Current	300 mA max.

RF SPECIFICATIONS

Conversion Gain	40 dB typ., 37 dB min., 43 dB max.
Frequency Range	C-Band: 3.4 - 4.2 GHz
Gain Flatness	4 dB p-p max.
Gain Ripple (At Per 36 M Hz)	1 dB p-p max.
Image Rejection	45 dBc min.
Input V S W R	2.0 : 1 max.
Output P1D B	5 dB max.
Output V S W R	2.0 : 1 max.
Phase Noise 100Khz Offset	-95 dBc/Hz
Phase Noise 10Khz Offset	-83 dBc/Hz
Phase Noise 1Khz Offset	-73 dBc/Hz
Reference	External Reference



Last updated: 2024/06/11



ELECTRICAL SPECIFICATIONS

Power Connector	Output connector only
Power Supply	+12 to +24 VDC

INTERFACE SPECIFICATIONS

R F Input Connector	SMA Connector
R F Output Connector	F Connector

ENVIRONMENTAL SPECIFICATIONS

I P Rating	IP 67
Temperature Operational	-40 to +60°C

PHYSICAL SPECIFICATIONS

Product Dimensions (Lx Wx H)	108.0 x 94.0 x 46.0 mm
Product Weight	620 g

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	ECCN Number	Unit Package
N/A	N/A	N/A	190 x 115 x 75 mm 620 g

MECHANICAL DIAGRAMS



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