



BDC-KUXEDF

Single-Band Ku-Band EXT BDC

Frequency: E: 12.2 - 12.7 GHz
Power Connector: Feed & output connector
Output Connector: F Connector



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Input Frequency Band 1	12.20 - 12.70 GHz
LO Frequency 1	11.25 GHz
LO Stability	Ext Ref
Noise Figure	15 dB max.
Output Frequency Band 1	950 - 1450 MHz
Reference Type	External Reference
Product Revision	A

RF SPECIFICATIONS

Conversion Gain Max	23 dB
Conversion Gain Min	17 dB
Conversion Gain Typ	20 dB
Gain Flatness	4 dB p-p max.
Gain Ripple (At Per 36MHz)	1 dB p-p max.
Image Rejection	40 dBc min.
Input VSWR	2.0 : 1 max.
Output P1dB	5 dB max.
Output VSWR	2.0 : 1 max.
Phase Noise 1kHz Offset Max	-70 dBc/Hz
Phase Noise 10kHz Offset Max	-80 dBc/Hz
Phase Noise 100kHz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA max.
Input Power	Feed & output connector
Power Requirements	+12 to +24 V DC

INTERFACE SPECIFICATIONS





RF Input Connector
RF Output Connector

SMA Connector
F Connector

ENVIRONMENTAL SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

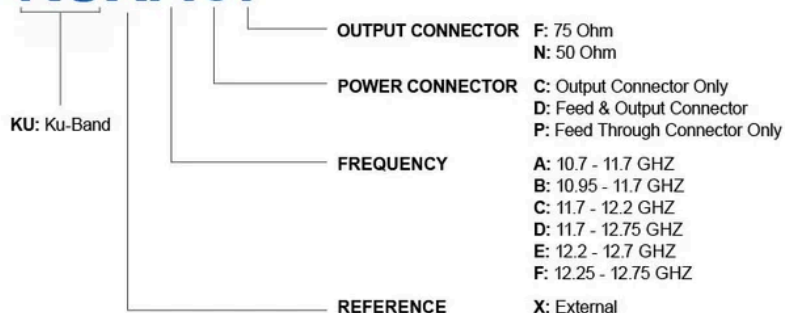
Product Height 40.0 mm
Product Length 89.6 mm
Product Weight 0.4 kg
Product Width 78 mm

SHIPPING INFORMATION

HS Code 8517690000
Country of Origin Made in the Republic of Korea
Ex Works Richmond, BC, Canada
ECCN Number EAR99
Warranty 3 years
Unit Package Dimensions 145 mm x 95 mm x 65 mm
Unit Package Weight 0.4 kg
Total Aluminium Content 0.46 kg
Aluminum Country of Smelt and Cast KR
Total Aluminium Value \$ 1.15

HOW TO ORDER

BDC-KUXACF





MECHANICAL DIAGRAMS

