



BDC-KUXDPF

Single-Band Ku-Band EXT BDC

Frequency: D: 11.7 - 12.75 GHz
Power Connector: Feed through con. only
Output Connector: F Connector



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Input Frequency Band 1	11.70 - 12.75 GHz
LO Frequency 1	10.75 GHz
LO Stability	Ext Ref
Noise Figure	15 dB max.
Output Frequency Band 1	950 - 2000 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 through con. only
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

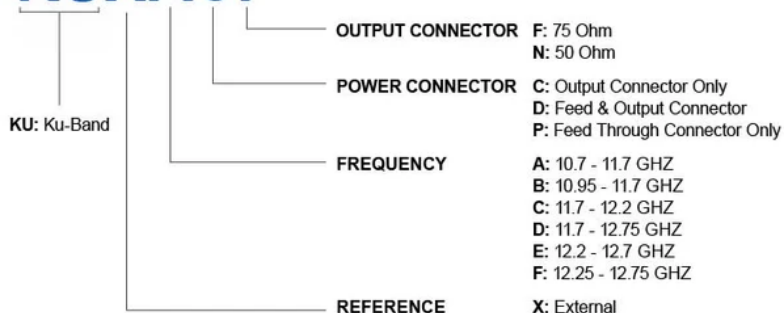
Product Height: 40.0 mm
Product Length: 89.6 mm
Product Weight: 0.4 kg
Product Width: 78 mm

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

