



BDC-KUXCPS

Single-Band Ku-Band EXT BDC

Frequency: C: 11.7 - 12.2 GHz
Power Connector: Feed through con. only
Output Connector: SMA Connector



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Input Frequency Band 1	11.70 - 12.20 GHz
LO Frequency 1	10.75 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 through con. only
Power Requirements	+12 to +24 V DC

INTERFACE SPECIFICATIONS





RF Input Connector
RF Output Connector

SMA Connector
SMA Connector

ENVIRONMENTAL SPECIFICATIONS

IP Rating
Temperature Operational

IP 67
-40°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height
Product Length
Product Weight
Product Width

40.0 mm
89.6 mm
0.4 kg
78 mm

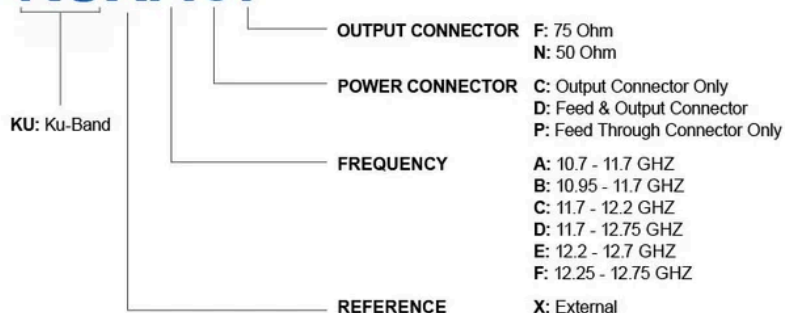
SHIPPING INFORMATION

HS Code
Country of Origin
Ex Works
ECCN Number
Warranty
Unit Package Dimensions
Unit Package Weight
Total Aluminium Content
Aluminum Country of Smelt and Cast
Total Aluminium Value

8517690000
Made in the Republic of Korea
Richmond, BC, Canada
EAR99
3 years
145 mm x 95 mm x 65 mm
0.4 kg
0.46 kg
KR
\$ 1.15

HOW TO ORDER

BDC-KUXACF





MECHANICAL DIAGRAMS

