



# Block Up Converter L to Ku Band, N or F-Type Female Connector, 10MHz Ext Reference, 3 Watts L Band(950-1450MHz) to Ku(14.00-14.50GHz)



## Features :

- ❖ 3 Watt
- ❖ Small Size & Light Weight
- ❖ High Efficiency Output Power
- ❖ Low Power Consumption



**Order Examples:** RBUC-L(950-1450M) to Ku(14.00-14.50)-Nf-ER10M-3W-v7

**Description:** (Block Up Converter, L Band(950-1450MHz) to Ku(14.00-14.50GHz), N-Type Female Connector, 10MHz External Reference, 3 Watts

**Additional Options:**

**N-Type or F Female**

| RF Frequency     | Local Frequency | IF Frequency     | Output Power | Connector        |
|------------------|-----------------|------------------|--------------|------------------|
| 14.0 to 14.5 GHz | 13.05 GHz       | 950 to 1,450 MHz | 3W<br>Linear | N-type<br>F-Type |

| Specifications                     |                                                   |
|------------------------------------|---------------------------------------------------|
| Output Interface Waveguide,        | WR-75                                             |
| Output Power @ P1 dB               | +35 dBm typical, +33 dBm minimum over temperature |
| Conversion Gain                    | 53 dB nom.                                        |
| Phase Noise (SSB)                  | -60 dBc/Hz max. @ 100 Hz                          |
|                                    | -70 dBc/Hzmax. @ 1 kHz                            |
|                                    | -80 dBc/Hzmax. @ 10 kHz                           |
|                                    | -90 dBc/Hz max. @ 100 kHz                         |
| Required External Reference Signal |                                                   |
| Frequency                          | 10MHz                                             |
| Input Power :                      | -5 to +5 dBm                                      |
| Phase Noise :                      | -125 dBc/Hz max. @ 100 Hz                         |
|                                    | -135 dBc/Hzmax. @ 1 kHz                           |
|                                    | -140 dBc/Hzmax. @ 10 kHz                          |
| Input Interface                    | N-type, female (50 ohm)                           |
|                                    | F-type, female (75 ohm)                           |
| Input /Output V.S.W.R.             | 2.0:1max. @ Input                                 |
|                                    | 2.0:1max. @ Output                                |
| Mute                               | Shut off theHPAin case of LOunlocked              |
| Power Requirement                  | +15 to +30 V dc                                   |
| Power Consumption                  | 30 W max.                                         |
| Operating Temperature              | -40 to +55 ° C                                    |
| Storage Temperature                | -40 to +75 ° C                                    |
| Size                               | 186.7 mm (L) x 119 mm (W) x 44.5 mm (H)           |
|                                    | [7.35" (L) x 4.69" (W) x 1.75" (H)]               |
| Weight                             | 1.2 kg max. [2.6 lbs]                             |

**RBUC-L(950-1450M) to Ku(14.00-14.50)-NF-ER10M-3W-v7** Specifications may be subject to change **11/18/12**

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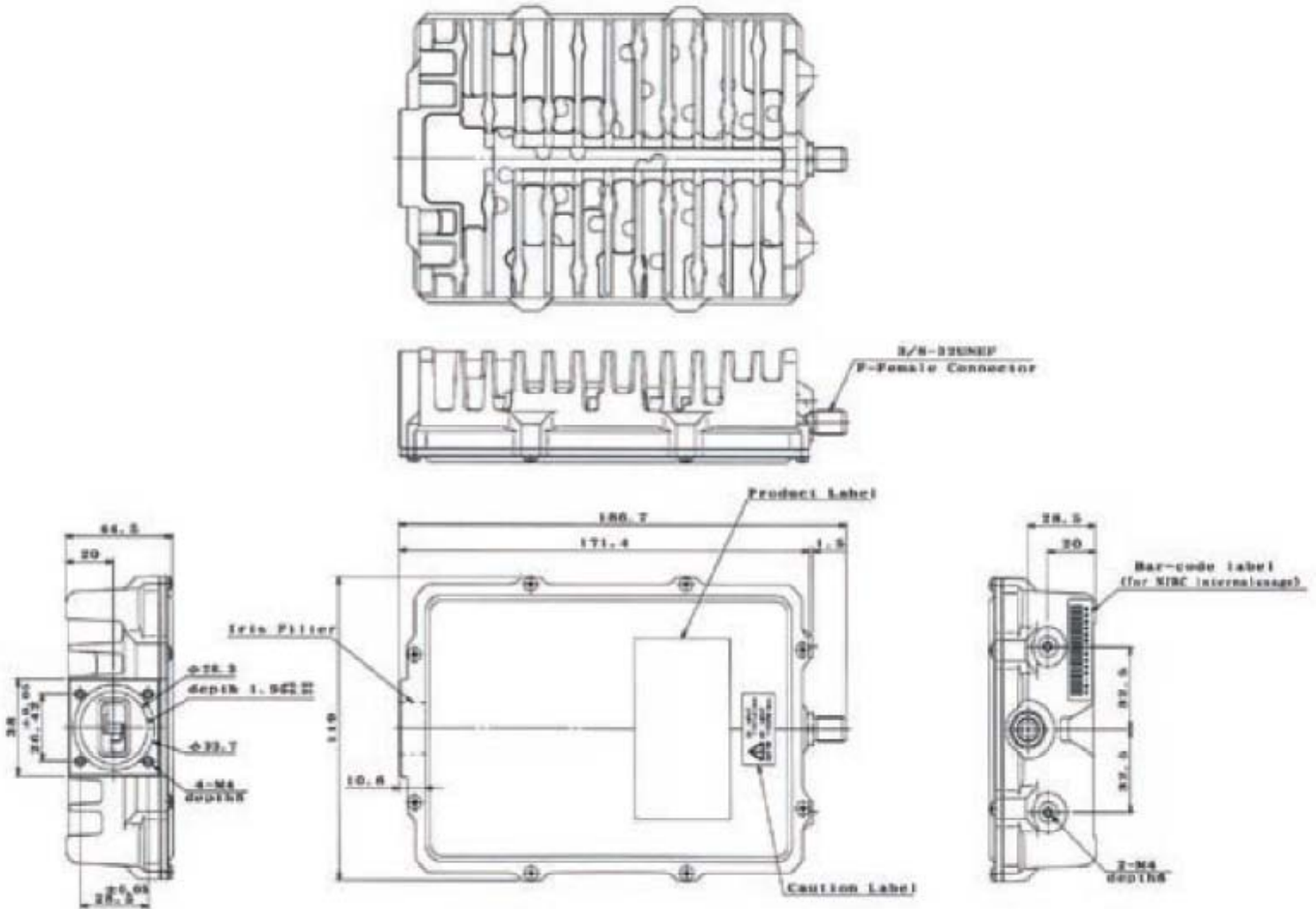
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## BUC, Ku Band, N/F Connector, 3W, External Reference RBUC-Ku-L-Nf-3W-ER-v7

code-v7



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