

## FLB-11700-12750-60-80

11.7~12.75GHz, 60dB, 80K, Ku-Band, Nationwide Production

### Features:

- \* Broad Band
- \* Low Noise Temperature
- \* Low Input VSWR

### Applications:

- \* Fixed Station
- \* Mobile Station
- \* Laboratory Test

### Electrical

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Input RF Frequency:  | 11.7~12.75GHz                                                                                |
| Output IF Frequency: | 950~2000MHz                                                                                  |
| LO Frequency:        | 10.75GHz                                                                                     |
| Gain:                | 60dB                                                                                         |
| Gain Flatness:       | ±3dBp-p max.                                                                                 |
| Noise Temperature:   | 80K                                                                                          |
| Output Power (Psat): | 0dBm min.                                                                                    |
| Input/Output VSWR:   | 2.5/2.0                                                                                      |
| Phase Noise:         | -65dBc/Hz@100Hz max.<br>-75dBc/Hz@1KHz max.<br>-80dBc/Hz@10KHz max.<br>-90dBc/Hz@100KHz max. |
| Frequency Stability: | ±1ppm@Internal Reference                                                                     |
| External Reference:  | 10MHz, 0±3dBm                                                                                |
| Voltage:             | 12~18V DC                                                                                    |
| Current:             | 270mA typ. @12V                                                                              |
| Impedance:           | 50Ω                                                                                          |

### Mechanical

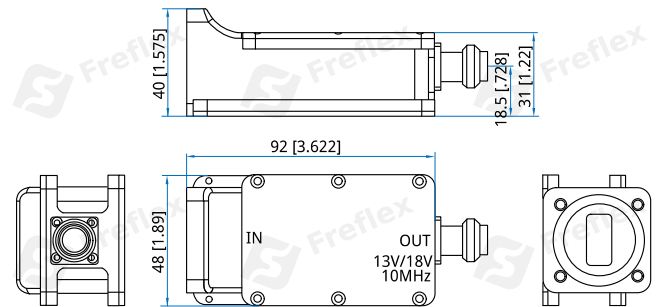
|                          |                                    |
|--------------------------|------------------------------------|
| Size*1:                  | 92*48*40mm<br>3.622*1.89*1.575in   |
| RF Input Waveguide Size: | WR-75 (BJ120)                      |
| Flange:                  | FBM120                             |
| Ext.ref. Input(10MHz)/   | 50Ω N Female/50Ω SMA               |
| IF Output Connector:     | Female/75Ω F Inch Thread<br>Female |
| Weight:                  | 300g max.                          |

[1] Exclude connectors.

### Environmental

|                        |           |
|------------------------|-----------|
| Operating Temperature: | -40~+60°C |
| Operating Humidity:    | 0~100%    |

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**FLB-11700-12750-60-80-Z**

Z: Output connector type

Connector naming rules:

- N - N female
- S - SMA female
- F - F Inch Thread female

Examples:

To order a Block Downconverters (LNBs), 11.7~12.75GHz, 60dB, 80K, N female, specify FLB-11700-12750-60-80-N.

Customization is available upon request.