

## FLB-10700-12750-60-80-2

10.7~11.7/11.7~12.25/12.25~12.75GHz, 60dB, 80K, Ku-Band

### Features:

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

### Applications:

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

### Electrical

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Gain:                | 60dB                                                                                         |
| Gain Flatness:       | 3dBp-p max.                                                                                  |
| Noise Temperature:   | 80K                                                                                          |
| Output Power (Psat): | 10dBm min.                                                                                   |
| Input/Output VSWR:   | 2.5/2.0                                                                                      |
| Phase Noise:         | -60dBc/Hz@100Hz max.<br>-70dBc/Hz@1KHz max.<br>-80dBc/Hz@10KHz max.<br>-90dBc/Hz@100KHz max. |
| Frequency Stability: | ±1ppm max.<br>@Internal Reference                                                            |
| External Reference:  | 10MHz, 0±3dBm                                                                                |
| Voltage:             | 12~24V DC                                                                                    |
| Current:             | 250mA typ. @15V                                                                              |
| Impedance:           | 50Ω                                                                                          |

| Input RF Frequency (GHz) | Output IF Frequency (MHz) | LO Frequency (GHz) | Control Voltage (LO) (V) |
|--------------------------|---------------------------|--------------------|--------------------------|
| 10.7~11.7                | 950~1950                  | 9.75               | 13                       |
| 11.7~12.25               | 940~1500                  | 10.75              | 13&22KHz                 |
| 12.25~12.75              | 950~1450                  | 11.30              | 18                       |

### Mechanical

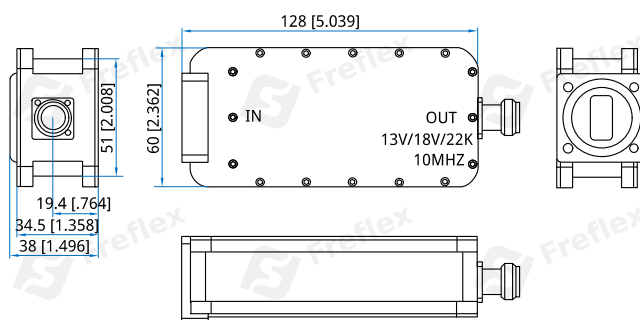
|                          |                                    |
|--------------------------|------------------------------------|
| Size*1:                  | 128*60*38mm<br>5.039*2.362*1.496in |
| RF Input Waveguide Size: | WR-75 (BJ120)                      |
| Flange:                  | FBM120                             |
| Ext.ref. Input(10MHz)/   | N Female /SMA Female /75Ω F        |
| IF Output Connectors:    | Inch Thread Female                 |
| Weight:                  | 380g 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-10700-12750-60-80-2-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), 10.7~12.75GHz, 60dB, 80K, N female, specify FLB-10700-12750-60-80-2-N.

Customization is available upon request.