



## LNB

### KU-BAND DRO

### 4000 SERIES



#### TYPICAL SPECIFICATIONS

|  |  |
|--|--|
| <b>Noise figure</b>                                      | 0.6 to 0.8 dB<br>depending on model number                         |
| <b>L.O. stability<br/>(over temperature excl offset)</b> | ±150 kHz to ±500 kHz<br>depending on model number                  |
| <b>Phase noise<br/>(SSB)</b>                             | -65 dBc/Hz at 1kHz<br>-80 dBc/Hz at 10kHz<br>-100 dBc/Hz at 100kHz |
| <b>Input VSWR</b>  | 2.2 : 1  |
| <b>Output VSWR</b>                                       | 2.2 : 1  |

|                           |   |
|---------------------------|---|
| <b>Conversion gain</b>    | 62 dB   |
| <b>Output P1dB</b>        | 8 dBm   |
| <b>Power requirements</b> | +15 to +24 V supplied through<br>center conductor of IF cable |
| <b>Current drain</b>      | 120 mA  |
| <b>Input Waveguide</b>    | WR75  |
| <b>Dimensions</b>         | 85 (L) x 43 (W) x 43 (H) mm<br>(3.3 x 1.7 x 1.7 in)           |
| <b>Weight</b>             | 120 g / 4.2 oz  |
| <b>Temperature Range</b>  | -40°C to +60°C  |

#### FREQUENCY BANDS AVAILABLE

| Typical service               | 4000A          | 4000B          | 4000C          |
|-------------------------------|----------------|----------------|----------------|
| <b>Input frequency (GHz)</b>  | 11.70 to 12.20 | 12.25 to 12.75 | 10.95 to 11.70 |
| <b>L.O. frequency (GHz)</b>   | 10.75          | 11.30          | 10.00          |
| <b>Output frequency (MHz)</b> | 950 to 1450    | 950 to 1450    | 950 to 1700    |

#### HOW TO ORDER

### 4106A

|                       |   |
|-----------------------|---|
| <b>FREQUENCY</b>      | A - 11.70 - 12.20 GHz<br>B - 12.25 - 12.75 GHz<br>C - 10.95 - 11.70 GHz |
| <b>NOISE FIGURE</b>   | 06 - 0.6 dB<br>07 - 0.7 dB<br>08 - 0.8 dB                               |
| <b>L.O. STABILITY</b> | 1 - ±150 kHz<br>2 - ±250 kHz<br>5 - ±500 kHz                            |
| <b>LNB SERIES #</b>   |   |

#### MECHANICAL DIAGRAM

