



## LNB KU-BAND PLL 15000L



### TYPICAL SPECIFICATIONS

|  |   |
|--|---|
| <b>Noise figure</b>                                      | 0.7 to 0.9 dB<br>depending on model number                        |
| <b>L.O. stability<br/>(over temperature excl offset)</b> | ±50 kHz   |
| <b>Phase noise<br/>(SSB)</b>                             | -65 dBc/Hz at 1kHz<br>-75 dBc/Hz at 10kHz<br>-85 dBc/Hz at 100kHz |
| <b>Input VSWR</b>  | 2.0 : 1   |
| <b>Output VSWR</b>                                       | 2.0 : 1   |

|                           |   |
|---------------------------|---|
| <b>Conversion gain</b>    | 62 dB   |
| <b>Output P1dB</b>        | 6 dBm   |
| <b>Power requirements</b> | +15 to +24 V supplied through<br>center conductor of IF cable |
| <b>Current drain</b>      | 170 mA  |
| <b>Input Waveguide</b>    | WR75  |
| <b>Dimensions</b>         | 110 (L) x 42 (W) x 42 (H) mm<br>(4.3 x 1.7 x 1.7 in)          |
| <b>Weight</b>             | 300g / 10.6 oz  |
| <b>Temperature Range</b>  | -40°C to + 60°C   |

### FREQUENCY BANDS AVAILABLE

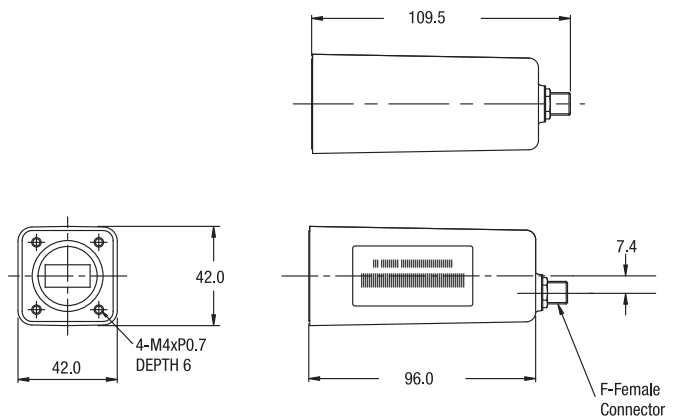
|                               |                |                |                |
|-------------------------------|----------------|----------------|----------------|
| <b>Typical service</b>        | 15000LA        | 15000LB        | 15000LC        |
| <b>Input frequency (GHz)</b>  | 11.70 to 12.20 | 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

## 15007LAF

|                       |   |
|-----------------------|---|
| <b>CONNECTOR</b>      | F - 75 Ohm<br>N - 50 Ohm  |
| <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>   | 07 - 0.7 dB<br>08 - 0.8 dB<br>09 - 0.9 dB                               |
| <b>L.O. STABILITY</b> | 50 - ±50 kHz  |
| <b>LNB SERIES #</b>   |   |

### MECHANICAL DIAGRAM



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