



**Norsat**  
International Inc.

Innovative Communication Solutions



# LNB

## KU-BAND DRO

### 4000 SERIES



### TYPICAL SPECIFICATIONS

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

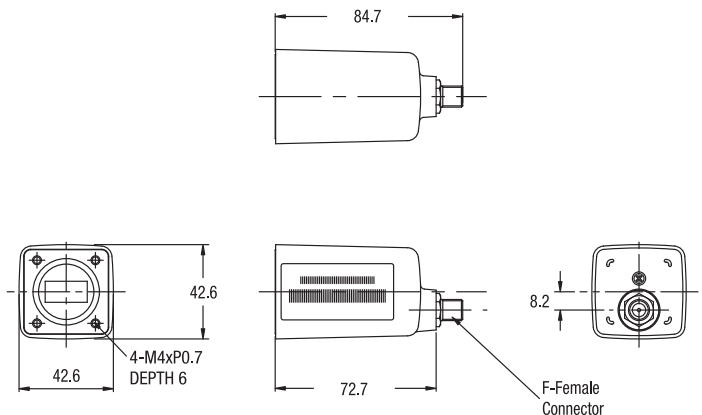
Typical service	4000A	4000B	4000C
<b>Input frequency (GHz)</b>	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70
<b>L.O. frequency (GHz)</b>	10.75	11.30	10.00
<b>Output frequency (MHz)</b>	950 to 1450	950 to 1450	950 to 1700

### HOW TO ORDER

## 4106A

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

### MECHANICAL DIAGRAM



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