LNB PLL LO 5.75



C-band LNB PLL LO 5.75 is Low Noise Block Down Converter with single LO 5.75 GHz and single 75 Ohm F-type output. LO instability (depends on temp.): ± 2...100 kHz, Gain: 58 dB, Noise figure: 30K, Output power P1dB: +3 dBm

- Input flange CPR-229G
- Output power (P1dB) +3 dBm
- Output frequencies 950 – 1250 MHz
- Gain 58 dB (min)
- Oscillator type PLL
- Operates up to 25 carriers
- Designed for operation in MVDS/MITRIS TV broadcasting systems

Input parameters	
Input Frequency	4.5 ... 4.5 GHz
Waveguide interface	WR-229
Flange	CPR-229G
Input VSWR	2.5:1
Impedance	50 Ohm
Output parameters	
Output Frequency	950 ... 1250 MHz

Output VSWR	2.2:1
Output Interface	F-type (female)
Impedance	75 Ohm
Local frequency	
LO frequency	5.75 GHz
LO instability	± 2 to ± 50 kHz (room temp.)
LO Phase noise:	± 10 to ± 100 kHz (over room temp.)
@1kHz	-65dBc/Hz
@10kHz	-80dBc/Hz
@100kHz	-95dBc/Hz
@1MHz	-110dBc/Hz
Characteristics	
Gain	58 dB
Flatness	± 2 dB @ full band
Ripple	± 0.75 dB @ 30 MHz
Variation	± 2 dB max
Noise figure	30K max
P1dB	+3 dBm
Image rejection	45 dB min
Power Supply	
Input voltage	+12 V ... + 24 V DC

Required current	300 mA max
Environmental	
Operating temperature	-30 to +60
Storage temperature	-40 to +80
Operating humidity	0% – 95% RH
Mechanical	
Dimensions (W x H x D)	98x70x138 mm
Weight	0.645 kg

Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.

Note! All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.