

# C Band Dual LNB

## Main Feature

- Ultra wide bandwidth (3.4~4.2GHz/4.5~4.8GHz)
- Satellite Band : Standard, Extended, ST-1/Palapa, Gorizont, Insat-C
- Dual Band (2-LO)
- Ultra Low Noise Figure
- Ultra Low Phase Noise
- Internal/External Reference Auto-detect/selection
- High P1dB, High IP3
- LO frequency switched by DC input level(13/18V) thru IF cable



Parameters	Specifications
RF Input Frequency	Band 1 : 3.4~4.2GHz Band 2 : 4.5~4.8GHz
LO Frequency	Band 1 : 5.15 GHz Band 2 : 5.76 GHz
IF frequency	Band 1 : 950 ~ 1750 MHz Band 2 : 960 ~ 1260 MHz
Phase Noise	@ 1 kHz                      -75 dBc
	@ 10 kHz                     -85 dBc
	@ 100 kHz                   -95 dBc
	@ >1 MHz                    -115 dBc
LO stability	<ul style="list-style-type: none"> <li>• Internal : ±0.25ppm</li> <li>• External : Dependent on Ext. reference</li> </ul>
Required External Reference Level	-5dBm
Conversion Gain	65 dB
Gain variation	±0.4 dB
	±2 dB
Noise Figure	0.5 dB
Input / Output VSWR	Input VSWR : 2.0:1 Output VSWR : 1.5:1
P1dB output	20dBm
OIP3	40dBm
Image Rejection	-60dBc
Band Switch Configuration	Band1
	Band2
Power Consumption	Refer to the table

Item	Parameters	Specifications
<b>Mechanical Spec.</b>	Input	CPR-229 with Groove
	Output (waterproof)	N-connector F-connector
	Dimensions	90.4 x 98.6 x 69.8 mm
	Weight (typ.)	840 g
<b>Thermal Spec.</b>	Operating temperature	-30 ~ +60 °C
	Storage temperature	-40 ~ +85 °C

## Line-Up

Model No.	IF Connector
PTL-CDAN-01	N Connector
PTL-CDAF-01	F Connector