

C-Band PLL LNB

Features:

- 1dB Gain Compression +10dBm
- Suitable for high data rate digital communication applications
- Low power consumption
- Low noise

No	Item	Specification
-1	RF Input Frequency	3.4 to 4.2 GHz
-2	IF Output Frequency	950 to 1750 MHz
-3	Local Frequency	5.15 GHz
-4	Local Frequency Initial Offset	±1ppm max. @ +25°C
-5	Local Frequency Stability	Standard : 2.5ppm. max. @-40°C to +60°C, +25°C Reference (SPCR3300) Option : 1ppm. max. @-40°C to +60°C, +25°C Reference (SPCR3301)
-6	Local Oscillator Leakage	-45 dBm max. @ waveguide input.
-7	Local Phase Noise (SSB):	Offset Frequency Phase Noise 1 kHz -80 dBc/Hz max. 10 kHz -85 dBc/Hz max. 100 kHz -95 dBc/Hz max.
-8	Noise Temperature (+25°C)	20K Typ. 30K Max
-9	Gain	55 to 70 dB Over Frequency & Temperature
-10	Gain Ripple	1dBp-p max per 36MHZ segment across the frequency band
-11	Input VSWR	3.0: 1 max
-12	Output VSWR	2.5:1 max. @ 75Ω
-13	Image Rejection	-45 dBc max.
-14	1 dB Gain Compression Point	+10 dBm min.
-15	Spurious in Rx Band	-130dBm max. @ waveguide input excluding Rx out ± 1 MHz measured at RF Input power -85dBm
-16	Input Voltage	+12 to +24 V supplied through center conductor of the IF cable.
-17	Current	250 mA max.
-18	Input Interface	CPR-229G
-19	Output Interface / Ordering Information	F-Type, 75Ω, female, Waterproof / Model SPCR3300AF/SPCR3301AF N-Type, 50Ω, female, Waterproof / Model SPCR3300AN/SPCR3301AN
-20	Size	(L)144 mm x (W)68 mm x (H)39 mm (5.6 x 2.6 x 1.5 in)
-21	Weight	approx. 500g
-22	Paint/Color	White, Munsell N9.5 semigloss
-23	Operating Temperature	-40°C to +60°C
-24	Storage Temperature	-40°C to +75°C
-25	Relative Humidity	Up to 100%, condensation and frost
-26	Altitude	Up to 10,000 feet @ operating

