

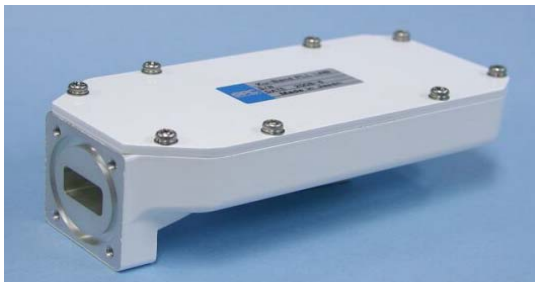
## Ku-Band PLL LNB

**Features:**

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

**Typical Specifications for SPCR5300 series**

No	Item	Specification		
-1	RF Input Frequency	11.70 to 12.20 GHz	12.25 to 12.75 GHz	10.95 to 11.70 GHz
-2	IF Output Frequency	950 to 1450 MHz		950 to 1700 MHz
-3	Local Frequency	10.75 GHz	11.30 GHz	10.00 GHz
-4	Local Frequency Stability	Standard: $\pm 2.5$ ppm. max. @ -40°C to +60°C, +25°C Reference Option : $\pm 1.0$ ppm. max. @ -40°C to +60°C, +25°C Reference		
-5	Local Phase Noise:	Offset Frequency	Phase Noise	
		100 Hz	-70 dBc/Hz	
		1 kHz	-80 dBc/Hz	
		10 kHz	-85 dBc/Hz	
		100 kHz	-105 dBc/Hz	
-6	Noise Figure (+25°C)	0.8dB max.		
-7	Gain	55 to 70 dB Over Frequency & Temperature		
-8	Gain Ripple	1 dB p-p max per 36 MHz segment across the frequency band		
-9	1 dB Gain Compression Point	+10 dBm min.		
-10	Spurious in Rx Band	-140dBm max. @waveguide input excluding Rx out $\pm 1$ MHz measured at RF Input power -85dBm		
-11	Input Voltage	+12 to +24 V supplied through center conductor of IF cable.		
-12	Current	200 mA		
-13	Input Interface	WR-75,Waterproof - Mated with matching flange and O-ring		
-14	Output Interface	Standard: F-Type, 75 $\Omega$ , female, Waterproof Option: N-Type, 50 $\Omega$ , female, Waterproof		
-15	Size	125(L) mm x 60(W) mm x 22(H) mm (4.9 x 2.3 x 0.8 in) without flange		
-16	Weight	approx. 300g		
-17	Operating Temperature	-40°C to +60°C		
-18	Storage Temperature	-40°C to +80°C		



**Ku-Band PLL LNB ordering information**

