Ku-Band Ext. Ref. PLL LNB

Features:

- 1dB Gain Compression +10dBm

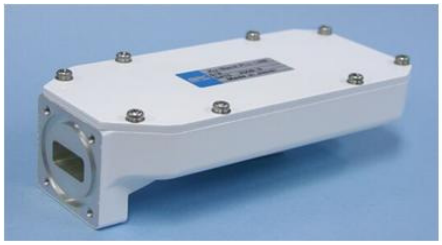
- Suitable for high data rate digital communication applications

- Low power consumption

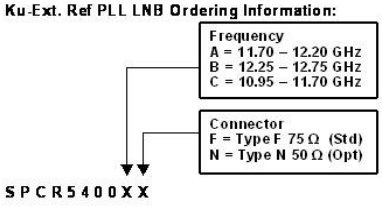
- Low noise

SPECIFICATIONS SPCR5400 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	Phase locked to external reference		
-5	Requirement for External Reference	* Supplied through center conductor of IF cable [Frequency] 10MHz(sine wave) [Input Level] 0 to -10dBm @ IF out [Phase Noise] -134dBc/Hz max. @ 100 Hz -144dBc/Hz max. @ 1 KHz -154dBc/Hz max. @ 10 KHz -154dBc/Hz max. @ 100 KHz		
-6	Local Oscillator SSB Phase Noise:	Offset Frequency / Phase Noise 100 Hz / -60 dBc/Hz 1 KHz / -70 dBc/Hz 10 KHz / -80 dBc/Hz 100 KHz / -95 dBc/Hz		
-7	Noise Figure	0.8dB max. @ +25°C		
-8	Gain	55 to 70 dB over Frequency & Temperature		
-9	Gain Ripple	1 dB p-p max per 36MHZ segment across the frequency band		
-10	Input VSWR	2.5: 1 typical		
-11	Output VSWR	2.3: 1 max		
-12	Output 1 dB Gain Compression Point	+10 dBm min.		
-13	Image Rejection	-45dBc max		
-14	Spurious in Rx Band	-140dBm max. @ waveguide input excluding Rx out ± 1 MHz measured at RF Input power -85dBm		
-15	Input Voltage	+12 to +24 V supplied through center conductor of the IF cable		
-16	Current	350 mA max		
-17	Input Interface	WR-75,Waterproof - Mated with matching flange and O-ring		
-18	Output Interface	Standard: F-Type, 75 Ω, female, Waterproof Option: N-Type, 50 Ω, female, Waterproof		
-19	Size	125(L) mm x 60(W) mm x 22(H) mm		
-20	Weight	340g (F-Conn) / 348g (N-Conn)		
-21	Operating Temperature	-40°C to +60°C		
-22	Storage Temperature	-40°C to +80°C		
-23	Relative Humidity	Up to 100%, condensation and frost		
-24	Altitude	Up to 10,000 feet at operating		



Ku-Ext. Ref PLL LNB Ordering Information:



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