



Features

Made In Japan

- Low noise temperature: 15K
- Low DC current drain: 350mA
- Small size & light weight: 800g
- RoHS compliance
- C-Band PLL LNB
- Made in Japan

C Band PLL LNB NJS8487S

Specifications

Model		NJS8487S	
RF Frequency	3.625 ~ 4.200 GHz (Palapa C-band)	Input Interface	Waveguide, CPR 229 (with Groove)
Local Frequency	5.15 GHz	Output Interface	F-type, female (75 Ω)
IF Connector	950 ~ 1,525 MHz	Noise Temperature	$T_{a.} + 25^{\circ}\text{C}$ 15K typ, 30K max.
Local Stability	$\pm 3\text{ppm}$	Linear Gain	$T_{a.} + 25^{\circ}\text{C}$ 59 db min 66 db max.
IF Connector	F-type	Local Stability	$\pm 2.5\text{ ppm}$ (T_a : $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$) $\pm 3.0\text{ ppm}$ (T_a : $-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$)
Power Supply	24 VDC (12 - 24 VDC)	L.O.Phase Noise	- 70 dBc / Hz typ.@100Hz - 80 dBc / Hz typ.@1KHz - 85 dBc / Hz typ.@10KHz - 95 dBc / Hz typ.@100KHz
		Spurious	-140 dBm max, at input, Fixed frequency spur, unrelated to test CW signal (Measured at specified IF band) -55 dBc max. with test CW signal -10 dBm IF output (Measured at specified IF band)
		Waterproof / Dustproof	IP67
		Output V.S.W.R	2.5 : 1 max
		Power Requirement	24 VDC (12 - 24 VDC)
		Current Drain	350 mA max.
		Temperature Range (ambient)	$-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$ (operating), $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$ (storage)
		Dimension & Housing (LxWxH) (Without Interface Connector)	80.8 x 99.6 x 76 mm 3.18" x 3.92" x 2.99"
		Weight	800g (1.76 lbs)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.