



Features

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

Made In Japan

Specifications

Model		NJS8487S
RF Frequency		3.625 ~ 4.200 GHz (Palapa C-band)
Local Frequency		5.15 GHz
IF Connector		950 ~ 1,525 MHz
Local Stability		± 3ppm
IF Connector		F-type
Power Supply		24VDC (12 ~ 24VDC)
Input Interface		Waveguide, CPR 229 (with Groove)
Output Interface		F-type, female (75 Ω)
Noise Temperature		15K typ, 30K max.
Linear Gain		59 db min 66 db max.
Local Stability	Ta: -30°C ~ 60°C	± 2.5 ppm
	Ta: -40°C ~ 60°C	± 3.0 ppm
L.O.Phase Noise	@100Hz	- 70 dBc / Hz typ.
	@1KHz	- 80 dBc / Hz typ.
	@10KHz	- 85 dBc / Hz typ.
	@100MHz	- 95 dBc / Hz typ.
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		24VDC (12 ~ 24VDC)
Current Drain		350 mA max.
Temperature Range		-40°C ~ 60°C (operating), -40°C ~ 80°C (storage)
Dimension & Housing		80.8 x 99.6 x 76 mm (LxWxH)
Weight		800g
Drawing		F-type, female connector IF/Ref. (10MHz) DC Power: 12 ~ 24VDC 99.6mm, 49.8mm, 96.1mm, 80.8mm, 76mm, 38mm, 14mm, 49.8mm CPR-229G, 10-1/4-20UNC depth 5min

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.