

# AM2210 Series C Band & Ku Band LNA & LNB

Frequency Band	Frequency Range	Output Frequency (MHz)	Dimension (LxWxH)	Weight	Voltage	Current	RF I/P connector	RF O/P connector
C Band PL LNB	Intelsat C-Band (3625 ~ 4200)	950 - 1525	100X130X80 mm	600g	15 - 24VDC	200mA	CPR-229G	N type (F)
	Palapa C- Band (3400 ~ 3700)	1450 - 1750						
	INSAT C-Band (4500 ~ 4800)	960 - 1260						
	Full C-Band (3400 ~ 4200)	950 - 1750						
Ku Band PL LNB	Standard (10.95 ~ 11.70)	950 - 1700	140X60X40 mm	400g	15-24VDC	200mA	CPR-75G	F type (F)
	Offset (11.70 ~ 12.20)	950 - 1450						
	Extended (12.25 ~ 12.75)							
C Band LNB DRO	Full C-Band (3400 ~ 4200)	950 - 1750	100X60X80 mm	190g	12 - 20VDC	150mA	CPR-229G	F type (F)
Ku Band LNB DRO	Standard (10.95 ~ 11.70)	950 - 1700	80X60X40 mm	300g	12 -24VDC	150mA	CPR-75G	F type (F)
	Offset (11.70 ~ 12.20)	950 - 1450						
	Extended (12.25 ~ 12.75)							
C Band LNA	Intelsat C-Band (3625 ~ 4200)	Intelsat C-Band (3625 ~ 4200)	100X130X80 mm	640g	11-15 VDC	150-170 mA	CPR-229G	N type (F)
	Palapa C- Band (3400 ~ 3700)	Palapa C- Band (3400 ~ 3700)						
	INSAT C-Band (4500 ~ 4800)	INSAT C-Band (4500 ~ 4800)						
	Full C-Band (3400 ~ 4200)	Full C-Band (3400 ~ 4200)						

LNB PLL ( C Band or Ku Band)	Technical Specification
Noise Temperature	45 K typ. at 25 °C
Gain	50 ~ 60 dB
Gain Flatness Over 40MHz	± 1 dB
Gain Flatness Over 750MHz	± 2 dB
Gain Stability	± 2 dB (-20 to 55 °C)
Phase Noise	Depend on Ext Ref Frequency
External Reference Frequency	10MHz
RF Input VSWR	2.5 : 1 max.
RF Output VSWR	2.5 : 1 max.
Spurious	55 dBc
Image Rejection	60 dB min
Temperature (Operating)	-40° to 55 °C
Temperature (Storage)	-40° to 85 °C
Humidity	up to 100%

LNB DRO ( C Band or Ku Band)	Technical Specification
Noise Temperature	30 K typ. at 25 °C
Gain	50 ~ 60 dB
Gain Flatness Over 40MHz	± 1 dB
Gain Flatness Over 750MHz	± 2 dB
Gain Stability	± 2 dB (-20 to 55 °C)
External Reference Frequency	10MHz
RF Input VSWR	2.5 : 1 max.
RF Output VSWR	2.5 : 1 max.
Spurious	55 dBc
Image Rejection	60 dB min
Temperature (Operating/Storage)	-40° to 55 °C / -40° to 85 °C
Humidity	up to 100%

LNA C Band	Technical Specification
Noise Temperature	40 K typ. at 25 °C
Gain	58 dB typ
Gain Flatness Over 40MHz	± 1 dB
Gain Flatness Over 750MHz	± 2 dB
Gain Stability	± 2 dB (-20 to 55 °C)
RF Input VSWR	2.5 : 1 max.
RF output VSWR	1.5 : 1 max
Temperature (Operating)	-40° to 55 °C
Temperature (Storage)	-40° to 85 °C
Humidity	up to 100%



C Band DRO LNB



C Band LNA/LNB



Ku Band PLL LNB

## Features

- High reliability
- Excellent Noise Temperature Ratings
- High frequency stability & excellent gain flatness
- Simple installation, Trouble free maintenance

## Application

- Wide area telephony
- Video conferencing
- Private data network
- Broadcasting



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Specifications are subject to change without notice

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