

C-BAND LOW NOISE AMPLIFIER

Model LNA-45Deg-LF

ELECTRICAL SPECIFICATION

Frequency	3.4 to 4.2 GHz
Bandwidth	800 MHz
Gain	52.5 +/- 3.5 dB (over temp & freq)
Out of Band Gain	0 dB @ 5.925 - 6.425 GHz
Gain Flatness	4 dBp-p max @ 800 MHz band
Gain Slope	1 dBp-p max @ any 36 MHz
Noise Temperature	35K typical, 45K max @ +25°C
Input Return Loss	5 dB min. (w/o Isolator)
Output Impedance	50 Ω nominal
Output Return Loss	10 dB min.
1dB Gain Compression Point	0 dBm min.
Input DC Voltage	+10 to +18V
DC Current	120 mA max.

MECHANICAL SPECIFICATION

Input Flange	CPR-229G
Output Connector	Type N, Female
Input DC Power	Through Output Connector
Size	approx 65 x 140 x 40 (mm)
Weight	430g approx.
Color	White, Munsell N9.5 semi-gloss
Marking (Label)	SPC Label

ENVIRONMENTAL SPECIFICATION/OPERATING ENVIRONMENT

Temperature	-40 to +55°C
Relative Humidity	Up to 100% including condensation and frost
Rainfall	4.00 inch/hour with wind speed 45 miles/hour, gusts to 60 miles/hour

NON OPERATING ENVIRONMENT

Temperature	-40 to +55°C
Relative Humidity	Up to 100% including condensation and frost



