



JNA05008000P18; 500 MHz – 8000 MHz LNA

FEATURES

- Ultra Wide-Band
- Low-Noise
- High Linearity

APPLICATIONS

- Communications, Test Instruments, Fiber Optics, Radar, LTE

GENERAL DESCRIPTION

JNA05008000P18 is a low noise amplifier module with high linearity. This matched module has an ultra-wide band operating frequency starting from 500 MHz to 8 GHz.

ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

Frequency:	500-8000 MHz
Output Power (P1dB):	18 dBm typ.
OIP3:	27 dBm typ.
Nominal Gain:	20 dB typ.
Noise Figure:	2.5 dB max.
Gain Flatness:	± 2.5 dB max.
Input/Output VSWR:	2:1
DC Supply Voltage:	5 V
DC Current:	60 mA typ. 90mA max.
Operating Case Temp.:	-40 °C to 85 °C

INTERFACES

RF Input:	SMA Female
RF Output:	SMA Female
DC:	Pin 1 5V DC
	Pin 2 GND

MECHANICAL SPECIFICATIONS

Size (mm) : 30 x 18.8 x 12

