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Custom design for UTS Sydney

Wednesday, November 12, 2003

## Specification for AMA-3310-15S

AMA-3310-15S is a high performance LNA specially designed for instrument use. With excellent input/output return loss and high IP3, AMA-3310-15S is an ideal choice for the system, which requires high dynamic range, low IM and high accuracy.

Operation Freq.	1-3GHz
Max. Output RF power	20dBm typ
IP3	40dBm typ
RF gain	15dB typ @ 1- 2.2GHz and 13.5dB @2.5GHz
Noise figure	2dB typ.
Input/Output return loss	< -15dB @ 1-1.3GHz and <-20dB @ 1.3 – 3GHz
DC power	5V +/- 10% /100mA
Op temp	-30 to + 60C
RF connectors	SMA-M for input and SMA-F for output.
DC supply	from output RF connector (center positive)

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CH1 S11 LOG 10 dB/REF 0 dB  
CH2 S21 LOG 10 dB/REF 0 dB

3: -32.247 dB  
3: 13.549 dB 2 500.000 000 MHz

AMA-3310-15S

2.5 GHz

CH1 Markers

1: -20.014 dB  
1.20000 GHz

2: -27.150 dB  
2.00000 GHz

CH2 Markers

1: 14.929 dB  
1.20000 GHz

2: 14.587 dB  
2.00000 GHz

START 1 000.000 000 MHz

STOP 3 000.000 000 MHz



1-33

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