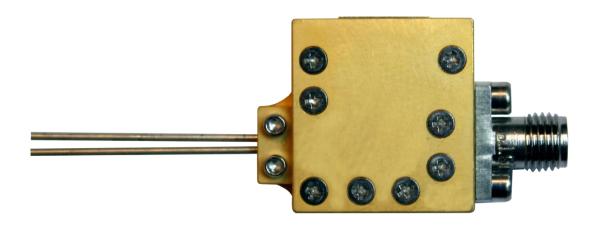


LNF-ABLNC1_15A s/n 0072A

1-15 GHz Cryogenic Low Noise Amplifier

Feb 26, 2017



Absolute maximum ratings

Parameter	Min	Max
V_{ds}	-0.5 V	3 V
$\mathbf{I}_{\mathbf{ds}}$		150 mA
$\mathbf{V}_{\mathbf{gs}}$	-12 V	+12 V
$\mathbf{V}_{\mathbf{m}}$	-2.0 V	+0.5 V
\mathbf{I}_{m}	-80 mA	
RF Input drive level		0 dBm

Nominal bias @ 296 K

Parameter	Value
V_{ds}	2.10 V
$\mathbf{I}_{ ext{ds}}$	90 mA
$ m V_{gs}$	-0.60 V
$\mathbf{V}_{\mathbf{m}}$	-1.20 V
$\overline{\mathrm{I}}_{\mathrm{m}}$	-50.5 mA

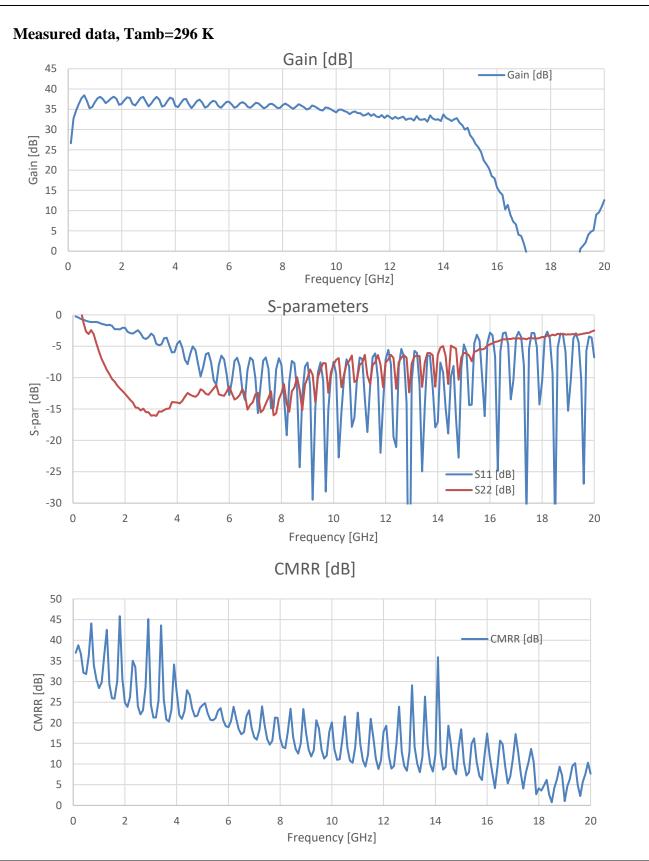
Nominal bias @ 65 K

Parameter	Value
$\mathbf{V}_{\mathbf{ds}}$	1.20 V
$\mathbf{I}_{ ext{ds}}$	25 mA
$ m V_{gs}$	
$\mathbf{V}_{\mathbf{m}}$	-0.50 V
$\mathbf{I_m}$	\approx -17 mA

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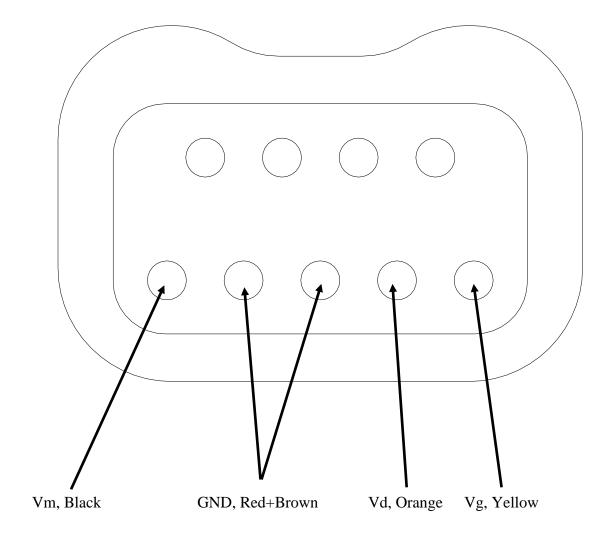


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Nano-D panel connector seen from outside the LNA



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