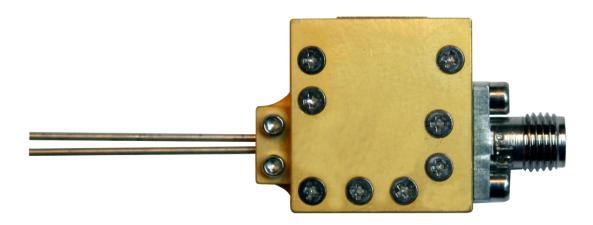


LNF-ABLNC1_15A s/n 0041A 1-15 GHz Cryogenic Low Noise Amplifier

Sep 08, 2015



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
$\mathbf{I}_{\mathbf{m}}$	-80 mA	
RF Input drive level		0 dBm

Nominal bias @ 296 K

Parameter	Value	
V_{ds}	2.60 V	
$\mathbf{I}_{ ext{ds}}$	80 mA	
$ m V_{gs}$	-0.95 V	
$\mathbf{V}_{\mathbf{m}}$	-1.70 V	
I _m	-57 mA	

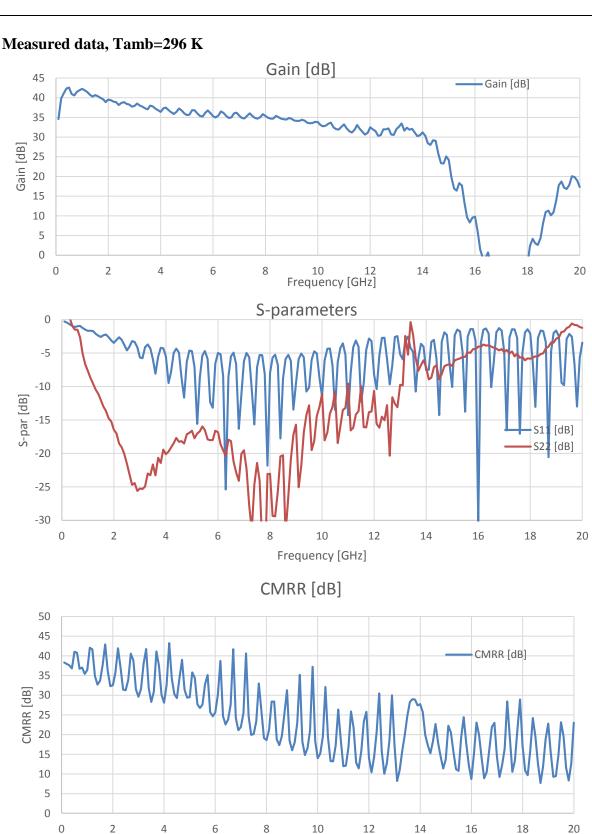
Nominal bias @ 65 K

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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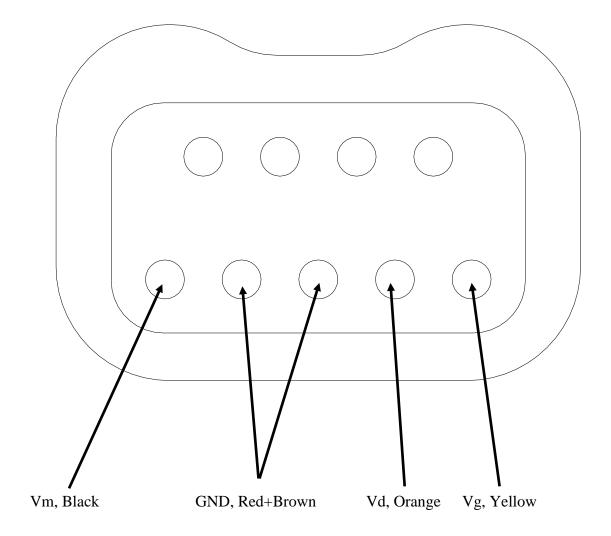
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Frequency [GHz]



LNF-ABLNC1_15A s/n 0041A 1-15 GHz Cryogenic Low Noise Amplifier

Nano-D panel connector seen from outside the LNA



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