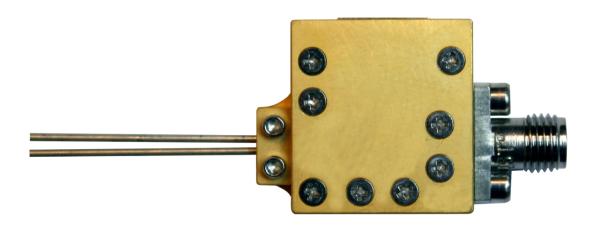


LNF-ABLNC1_15A s/n 0016A 1-15 GHz Cryogenic Low Noise Amplifier

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
$\mathbf{I}_{\mathbf{m}}$	-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}$	-0.91 V	
$\mathbf{V}_{\mathbf{m}}$	-1.20 V	
$\overline{\mathbf{I}}_{\mathbf{m}}$	-55.5 mA	

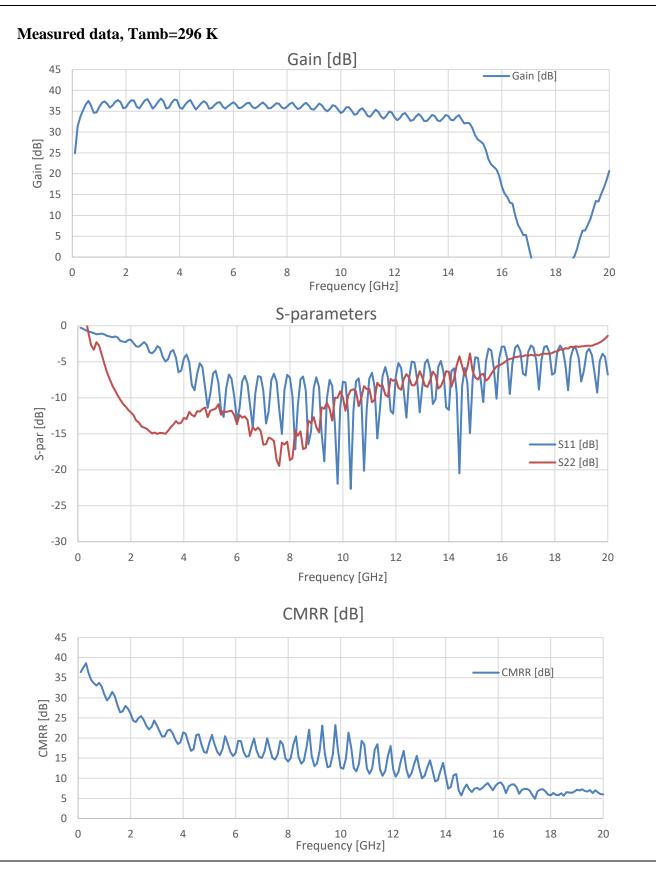
Nominal bias @ 65 K

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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Nano-D panel connector seen from outside the LNA

