

GE RF Preamplifier 1313-A100M18G



Features

- > Noise Figure ≤ 2.3 dB
- > Unconditionally Stable at all Temperatures
- > Internally Regulated DC Voltage
- > 50 Ohm Matched Input/Output
- > Field Replaceable 2.92mm K Connectors
- > Excellent Group Delay and Phase Linearity
- > 0.009 Inches Diameter RF In/Out Feed Through
- > Operating Temp. - 55 C to +85 C
- > 3 Year Warranty

Options

- > Optimized Performance over Selected Bandwidth
- > Hermetically Sealed Package
- > Improved IN and OUT VSWR
- > Lower Noise Figure
- > Internally DC Block Input (Output DC Block Standard)
- > Improved Gain Flatness
- > Gain and Phase matching

Specifications (23 °C)

Parameter	Min	Typ	Max	Units
Frequency Range	0.1	-	18	GHz
Noise Figure*	-	-	2.3	dB
Gain	40	-	-	dB
Gain Flatness (+/-)	-	-	± 2	dB
P1 Output Power	+10	-	-	dBm
Input VSWR	-	-	2.3:1	
Output VSWR	-	-	2.3:1	
Operating Temperature	-55	-	+85	°C
Non - Operating Temp Range	-65	-	+85	°C

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Specifications (23 °C)

Parameter	Min	Typ	Max	Units
RF Input Power (no - damage)	-	-	+13	dBm
Humidity (non - condensing)	-	-	95	%
Voltage	-	+12	+15	VDC
Current	-	140		mA
Input Impedance	50			Ohms
RF Connector	2.92mm - Female			
Dimensions	132.9 x 120 x 69.1			mm

* Noise source used for measurement from 18GHz to 42 GHz is HP346C-K01 .

NF uncertainty (approx. 0.3 dB). 0.2 dB due to ENR of HP 346C-K01, and 0.1 dB due to the gain modulation of the unit caused by the HP 346C-K01 source impedance change in the ON and OFF state.

Typical Data

