



Description

This is a low-noise amplifier,
operating in the bandwidth **0.1 to 40 GHz**.

Features

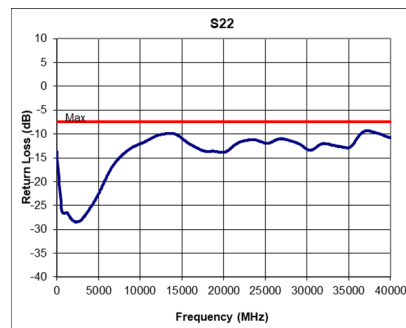
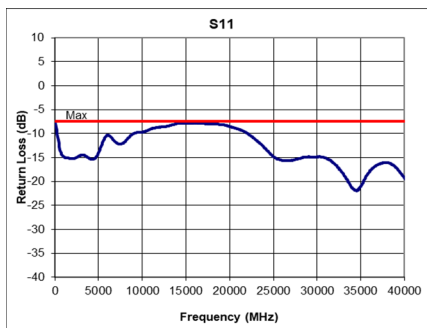
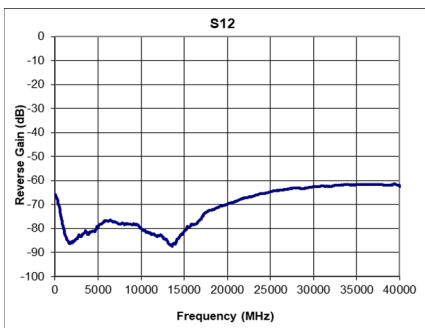
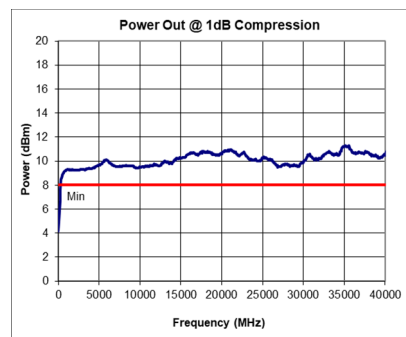
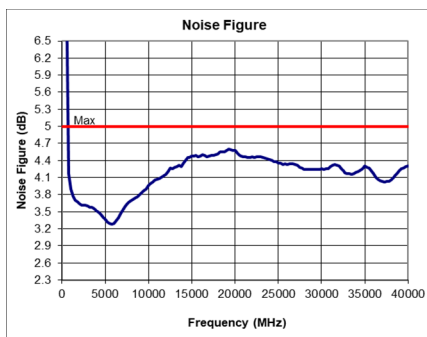
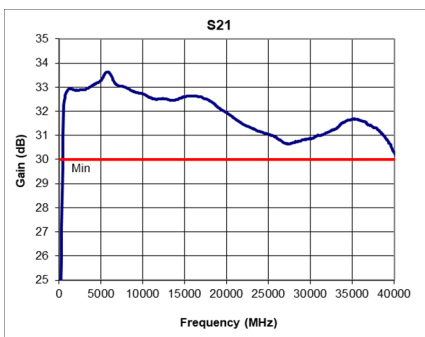
- **Noise Figure ≤ 5.0 dB**
 - Limiting Diode Protection against moderate ESD
 - Mounted on Heatsink
 - AC coupled at input and output
 - Internally Regulated DC Voltage
 - 50 Ohm Matched Input/Output
 - Field Replaceable 2.92mm K connectors
 - Excellent Group Delay and Phase Linearity
 - 0.009 inches diameter RF In/Out feed through
 - Operating Temp. -55 C to +85 C
 - 3 Year Warranty and Lifetime Support
- **Optimized Performance over Selected Bandwidth**
 - Hermetically Sealed Package
 - Reverse Polarity Protection
 - Gain and Phase matching
 - Male or Female Connectors

Specifications (23 °C)

Parameter	Min	Typ	Max	Units
Frequency Range	0.1	-	40	GHz
Noise Figure*	-	-	5.0	dB
Gain	30	-	-	dB
Gain Flatness (+/-)	-	-	± 2.0	dB
P1 Output Power	+8	-	-	dBm
Input VSWR	-	-	2.5:1	
Output VSWR	-	-	2.5:1	
Operating Temperature	-55	-	+85	°C
Non-Operating Temp Range	-65	-	+85	°C
RF Input Power (no-damage)	-	-	+17	dBm
Humidity (non-condensing)	-	-	95	%
Voltage	12	-	15	VDC
Current	-	165	-	mA
Input Impedance	50			Ohms
RF Connector	2.92mm K - Female			
Dimensions	99.1x26.1x32.5			mm
Outline	100169			

* Noise Source used for measurement from 0.01 to 26.5 GHz is HP346C .

NF Uncertainty (approx. 0. 1dB). 0.05 dB due to ENR of HP 346C; and 0.05 dB, due to the gain modulation of the unit, caused by the HP 346C source impedance change in the ON and OFF state.



S/N. 26940
Date 11/29/2021