

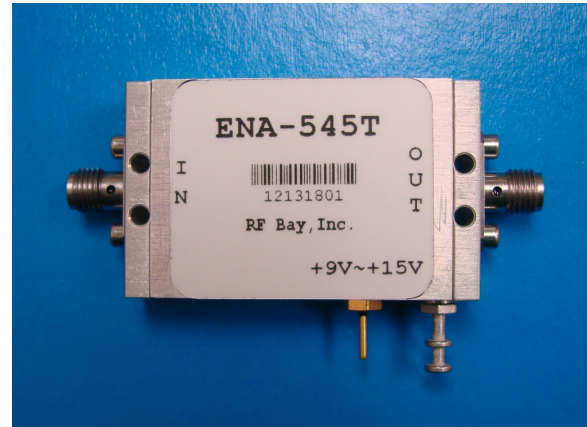
## ENA Series

## 350 – 2350MHz Low Noise Amplifier

### Features

- Frequency Range: 350-2350MHz
- Gain: 30dB
- P<sub>1dB</sub>: +21dBm
- OIP3: +33dBm
- Noise Figure: 1.2dB (typ.)
- DC Power: 9V to 15V @ 160mA
- SMA-female connectorized

### Photo



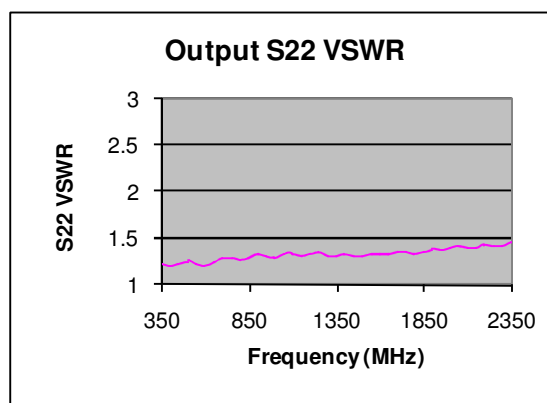
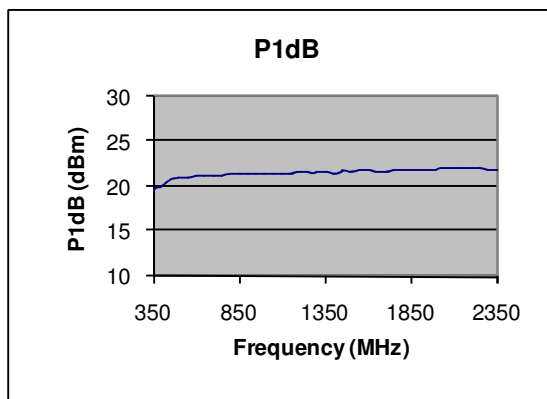
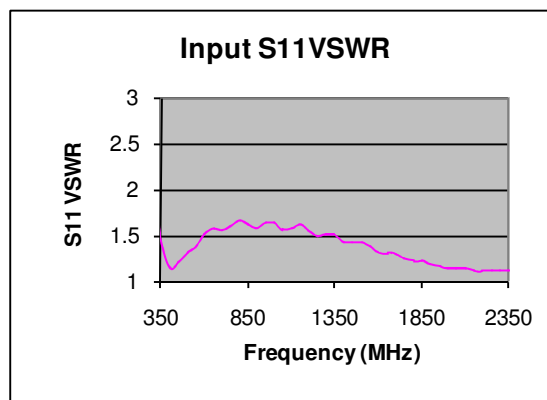
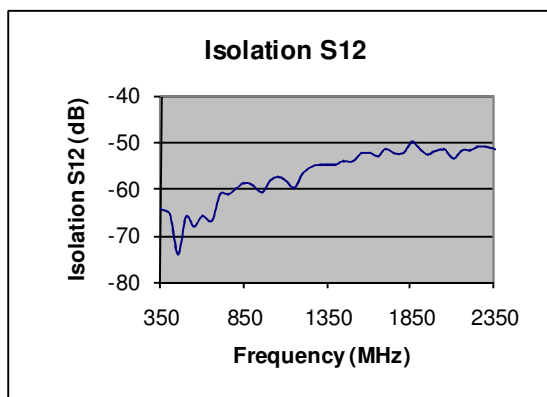
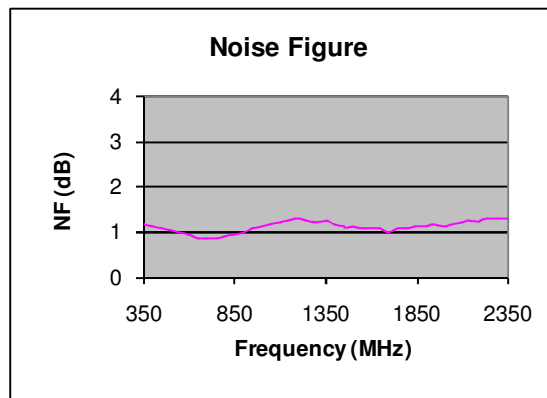
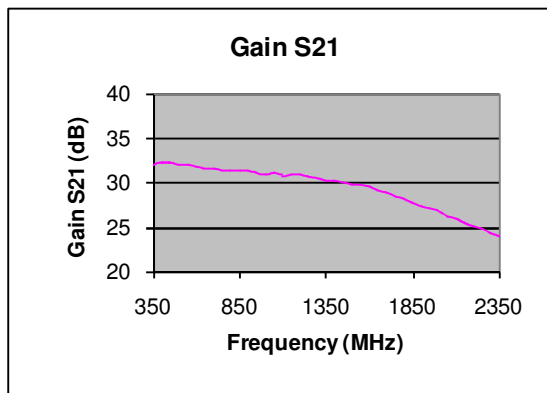
### Description

ENA-545T is a high performance Microwave Low Noise (& Driver) Amplifier, with standard frequency range of 350MHz to 2350MHz.

### Electrical Specifications @+25 °C, Z<sub>in</sub>=Z<sub>out</sub>=50 Ω, V<sub>supply</sub> = +12VDC

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	350		2350
Gain (S21) f = 350MHz	dB		31.0	
f = 1350MHz	dB		30.5	
f = 2350MHz	dB		24.0	
Gain Variation Over Temperature	dB/°C		0.02	0.03
Output Power P <sub>1dB</sub>	dBm		+21	
Saturated Output Power P <sub>Sat</sub>	dBm		+24	
Output Third Order Intercept IP3	dBm		+33	
Noise Figure	dB		1.2	1.5
Reverse Isolation (S12) @1350MHz	dB		-55	
VSWR-Input (S11)	ratio:1	1.5@350MHz	1.5@1350MHz	1.1@2350MHz
VSWR-Output (S22)	(unitless)	1.3@350MHz	1.3@1350MHz	1.5@2350MHz
DC Power Supply - voltage	V	9	12	15
DC Power Supply - current	mA		160	
Operating Temperature	°C	-40		+85
Size (RF/DC feedthrough excluded)	Inch	1.79 (L) x 1.10 (W) x 0.45 (H)		
Weight	Oz	1.4		

### Typical Performance @+25 °C



**Absolute Maximum Ratings**

Parameter	Absolute Maximum
RF Input Power	+25dBm
Supply Voltage	+20V
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +125 °C

**Outline**

