

# Wideband Amplifier SWPA-05027-10

## 50 Ohm 500 - 2700 MHz

### Features

- : High power, 41.0 dBm typ.
- : High IP3, 52.0 dBm typ.
- : Rugged shielded case

Case Style A201

- : Gold/Clear Alodine Finish per MIL-C-5541



Connector	Model
SMA	SWPA-05027-10

### Electrical Specifications at Ambient (25 °C)

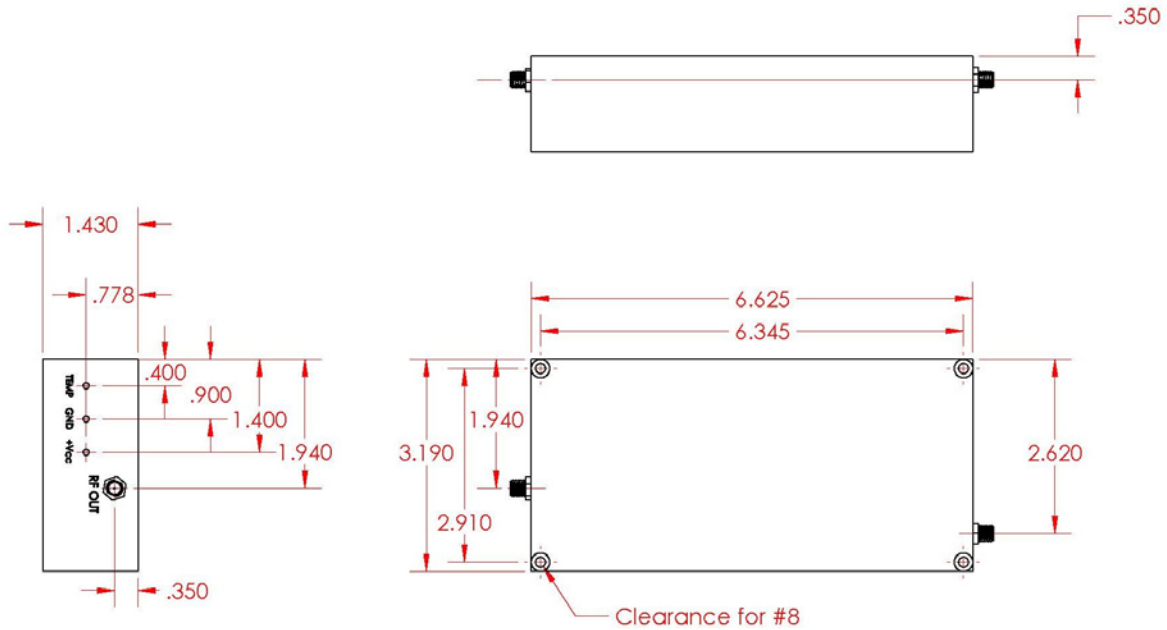
Model No.	Frequency (MHz)		Noise Figure (dB)	Gain (dB)	Output Power (dBm)	Intercept Point (dBm)	VSWR (:1)		DC Power	
	F <sub>Low</sub>	F <sub>High</sub>	Typ.	Typ	Output (1db comp.) Typ.	IP3 Typ	In	Out	Volt (V) Nom.	Current (mA) Max
SWPA-05027-10	500	2700	10.5	50.0	41.0	52.0	1.5	3.0	30	2000

**Note:** Minimum 43.0 dBm Saturated Power Out

### Maximum Ratings

Operating Temperature	-40°C - +65°C
Storage Temperature	-55°C - +100°C
DC Voltage	+30.0 VDC
Input Power (no damage)	+10 dBm

### Outline Drawing (inches)



**Spanawave Corp**

1640 Lead Hill Blvd. Ste 130, Roseville, California +1 866-202-9262 www.spanawave.com

# Typical Performance Data/Curves

## SWPA-05027-10

Frequency (MHz)	Gain (dB)	VSWR I/P (:1)	VSWR O/P (:1)	NF (dB)	P1dB (dBm)
500	54.08	1.54	3.44	11.50	39.10
815	52.79	1.58	3.57	12.10	38.80
1130	50.37	1.56	4.22	12.10	41.30
1445	46.85	1.62	3.01	11.10	45.70
1750	46.65	1.67	2.68	9.90	45.50
2050	46.81	1.43	2.55	9.60	45.10
2380	47.00	1.33	1.50	9.90	44.80
2700	46.30	1.50	1.67	10.80	43.00

