

AnaCom's series of AnaSat[®] SSPAs are designed for continuous outdoor duty in all types of environments. Ideally suited for SCPC, MCPC, DAMA, TDMA, and VoIP applications and designed to interface with a 0 dBm driver, the AnaSat[®] SSPA may be used in a wide variety of communication networks.

Features

- ✓ Built in test feature for improved maintainability and reduced dependence on external test equipment
- ✓ Summary fault-status reporting including overheating, PA failure, and converter failure. Robust 1+1 Redundant operation using
- ✓ AnaCom's Protection Switch. (200W maximum)
- ✓ No indoor equipment is needed
- ✓ Superior phase noise
- ✓ Flexible, universal power supply

Built In Test Equipment

To improve and simplify maintenance routines, an external terminal (or computer) can be connected to monitor a number of critical parameters without use of additional test equipment. These include:

- ✓ Transmitter power output level
- ✓ Power supply voltages
- ✓ Internal Temperature
- ✓ Alarm Details
- ✓ Onboard microprocessor for automatic temperature and aging compensation

Benefits

- ✓ "Last Touch" controls allow for remote configuration or local (*manual*) configuration
- ✓ Flash memory means that the SSPA always powers up with exactly the same operating conditions as when it lost power (*or was turned off*)
- ✓ Comprehensive maintenance features for operational effectiveness and minimum outages.
- ✓ Simple installation.

Comprehensive Monitor & Control

A powerful Monitor & Control feature allows you to monitor and control the transceiver on the same M&C bus with most indoor equipment such as modems and multiplexers. The Monitor & Control system can be used in combination with the unit's internal metering function to monitor operational parameters.

Flexible Applications

- ✓ Rural Telecommunications expansion
- ✓ Industrial networking
- ✓ LAN and WAN extensions
- ✓ Emergency link restoration
- ✓ Remote surveillance
- ✓ Broadcast
- ✓ Data distribution and collection
- ✓ Point-of-sales systems
- ✓ Video conferencing
- ✓ Conventional voice traffic



SSPA

C-band Series

SPECIFICATIONS

	10W	20W	30W	40W	50W	60W	70W	80W	100W	125W	150W	180W	200W	300W	350W	400W	
TRANSMIT CHARACTERISTICS	1 dB COMPRESSION POINT (dBm)	40	43	44.8	46	47	47.8	48.5	49	50	51	51.8	52.6	53	54.8	55.4	56
	TX GAIN	40	43	44.8	46	47	47.8	48.5	49	50	51	51.8	52.6	53	54.8	55.4	56
	TX LEVEL FLATNESS	6 dBp-p max / 500 MHz															
	TX FREQUENCY	EC = 5.850 to 6.425 GHz					SEC = 5.850 to 6.725 GHz					LMI-EC = 5.725 to 6.425 GHz					
		PC = 6.425 to 6.725 GHz					RC = 5.975 to 6.475 GHz					XC = 6.725 to 7.025 GHz					
	TX GAIN OVER TEMPERATURE	+/- 2dB max															
INTERMOD	-25 dBc max (2 carriers, total 3dB backoff from P1dB rating)																
SPURIOUS	-55 dBc max out of band																
SYSTEM	ALARM RELAYS	FORM C for Summary Alarm; Isolated															
	POWER	100 to 250 VAC; 47 to 63 Hz															
	M&C	Optional RS-232 / RS-485															
ENVIRONMENTAL	TEMPERATURE	-50 to +55°C operational -50 to +75°C storage															
	HUMIDITY	95% at 45C															
	ALTITUDE	10,000 ft (3,048 meters) max															
	RAIN	20 inches per hour															
	WIND	150 miles per hour															
	VIBRATION	1.0 g random operational, 2.5 g random survival															
	SHOCK	10 g operational, 40 g survival															
POWER & DIMENSIONS	TYPICAL POWER CONSUMPTION (VA)	125	229	280	390	394	398	570	572	762	1179	1179	1539	1539	2832	2832	2832
	PRIME POWER RECOMMENDATION	340	600	730	870	880	890	1200	1200	1600	2400	2400	3100	3100	6200	6200	6200
	WEIGHT (lbs.)	31	37	40	42	54	54	64	64	64	120	142	142	142	207	207	207
	(kg.)	14	17	18	19	24	24	29	29	29	54	64	64	64	94	94	94
	SSPA - 10W	21.6" x 9.0" x 9.4"			(549 x 229 x 238 mm)												
	SIZE: - 20W, 30W	21.6" x 9.0" x 10.3"			(549 x 229 x 262 mm)												
	- 40W	21.6" x 9.0" x 11.4"			(549 x 229 x 289 mm)												
- 50W, 60W	21.6" x 9.0" x 12.5"			(549 x 229 x 317 mm)													
- 70W, 80W, 100W	21.6" x 13" x 11.2"			(549 x 330 x 284 mm)													
- 125W, 150W, 180W, 200W	34.5" x 12.75" x 12.4"			(876 x 324 x 315 mm)													
- 300W, 350W, 400W	34.5" x 25.5" x 12.36"			(876 x 648 x 314 mm)													

*all specifications subject to change

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