

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. (125W 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



AnaSat[®] SSPA

Ku-band Series

SPECIFICATIONS

		8W	16W	20W	23W	25W	32W	40W	50W	60W	80W	100W	125W
TRANSMIT CHARACTERISTICS	1 dB COMPRESSION POINT (dBm)	39	42	43	43.6	44	45	46	47	47.8	49	50	51
	TX GAIN	39	42	43	43.6	44	45	46	47	47.8	49	50	51
	TX LEVEL FLATNESS	6 dBp-p max / 500 MHz											
	TX GAIN OVER TEMPERATURE	+/- 2dB max											
	TX FREQUENCY	Ku = 14 to 14.5 GHz						SEKu 13.75 to 14.5 GHz					
	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)	160	270	294	300	300	340	770	800	850	1430	1600	1640
	PRIME POWER RECOMMENDATION	400	690	700	710	720	850	1700	1800	1900	3100	3500	3600
	WEIGHT (lbs.)	25	35	41	41	41	38	64	64	64	120	129	142
	(kg.)	11	16	19	19	19	17	29	29	29	54	59	64
	SSPA SIZE:	- 0W, 2W, 4W 21.6" x 9.0" x 7" (549 x 229 x 178 mm) - 8W 21.6" x 9.0" x 9.4" (549 x 229 x 239 mm) - 16W, 20W, 23W, 25W 21.6" x 9.0" x 10.8" (549 x 229 x 274 mm) - 32W 21.6" x 9.0" x 12.5" (549 x 229 x 317 mm) - 40W, 50W, 60W 21.6" x 13.0" x 11.2" (549 x 330 x 345 mm) - 80W, 100W, 125W 38.0" x 12.75" x 12.4" (965 x 330 x 318 mm)											

*all specifications subject to change

9/22/10

3888307



Phone: +1 408-519-2062 FAX: +1 408-519-2063
<http://www.anacominc.com>