

STL 950 MHZ AMPLIFIERS



FEATURES

- Solid State Technology
- Frequency 920-960 MHz
- Extensive Monitoring via Ethernet and Remote Samples

Specifications	
Models	STL-15A, STL-35A, STL-50A, STL-100A
Output Impedance	50 Ω
Input Power	5 watts Max
Frequency Range	920 – 960 MHz
Nominal Output Power	Model and modulation type dependent (15, 35, 60, and 100 watt models available)
Power Level	Adjustable 1 – 105%, Linear to input
Output Connector	Type N female
Input Connector	Type BNC
Spurious Emissions	Compliant to Industry Canada BETS-6 and FCC

Electrical Specifications	
AC Input Voltage	120-250 VAC
Overall Power Consumption	Typically 100-200 watts
Overall Efficiency	> 20%
PA Power Consumption	Typically 90 watts
PA Efficiency	> 25% Class A

Interface		
Remote Port	Control:	Reset, On/Off (external exciter)
	Monitor:	Forward/reflected RF level, control PCB Vcc
	Flags:	VSWR, Current, Voltage, Forward Power
Ethernet	Control:	Reset, On/Off (external exciter)
	Monitor:	Forward/reflected RF level, DC pallet voltage, temperature, VSWR trip point, model
	Flags:	DC pallet voltage, current, VSWR
LCD Display	SNMP:	Yes
	Monitor:	Forward/reflected RF level, DC pallet voltage, DC current
	Flags:	VSWR, Current, Voltage, Forward Power

Physical Features		
Minimal Rack Space	3U	U x 21" x 36" (D) x 19" (W)
Lightweight Enclosures	Aluminum	
Operating Temperature	0 to +59° C	
Humidity	90%, non-condensing	

Disclaimer: Specifications are subject to change without notice. Information may be changed or updated without notice. American Amplifier Technologies™ may also make improvements and/or changes in the products described at any time.