Six separate 100 watt rms amplifiers
Bridged pairs deliver 300 watts rms

**Six 100 Watt Amps in One.** The SSA 6 supplies six independent amplifier channels in one compact package. Each channel delivers 100 watts rms into an eight ohm load, or 150 watts each into a four ohm load. Adjacent channel pairs can operate bridged to provide 300 watts into eight ohms.

**Six, Five, Four or Three?** The SSA 6 provides an unprecedented degree of flexibility. Use it as a home theater amplifier with separate left, center, right, sub, left surround and right surround channels. Drive a pair of two-way speaker systems, bi-amped with two bridged pairs at 300 watts for the low end and two 100-watt channels for the high end. Run three stereo auxiliary systems in different rooms, each with different sources, at 100 watts per channel each. A single SSA 6 is a fraction of the size and weight of the equivalent number of two-channel amplifiers.

**Independent Channels.** Each channel is contained on its own circuit board making it immune to the actions of any other channel. Though power is distributed from one high-current toroidal power supply, signal back-feed is prevented from heavily loaded channels to any other channel.

Independent READY indicators signify operation of the output muting relays. Muting activates for approximately three seconds after power is applied, immediately after turnoff, and any time there is DC or large infrasonic signals.

**Input Level Controls** are provided on the front panel for individual channel sensitivity. The knobs may be removed and the holes plugged with supplied caps once levels are set.

**Input Protection.** Each channel of the SSA 6 includes an input voltage controlled attenuator. This carefully designed circuit prevents clipping at the output of the amplifier for any load for up to 15 dB of input overdrive. An independent PEAK LIMIT indicator lights when this circuit is activated. This provides additional headroom to each channel, making the 100 watt ratings effectively much higher, and the results much louder, meeting the dynamic demands of home theater.

**Output Protection.** An independent LOAD LIMIT indicator lights when the safe operating area protection circuit is engaged. Up to 30 dB of input attenuation provides maximum power to the load while maintaining safe power dissipation in the output devices of the amplifier. This topology protects the amplifier without interrupting the output signal. In contrast, other manufacturers protection circuits typically turn off the output devices or mute the input signal to protect the amplifier.

The SSA 6 bridging topology ensures accurate tracking of bridged channels at all times. The output levels continue to track even during clipping, transient overload, short circuit, output shorts, and any amplifier protection.

**Details:** Euroblock high current connectors provide fast positive connection of speaker leads. They accept up to 12 AWG wire, including most high-end cables.

The SSA 6 contains the quietest fan available. A continuously variable speed circuit keeps the fan slow and quiet. Active temperature sensing speeds up the fan only when the amplifiers need it—the fan slows down as the amplifiers cool. Forced air cooling provides superior long term reliability.

The SSA 6 is UL listed and CSA certified for professional installation. The heavy gauge all-steel construction of the SSA 6 offers a high level of mechanical integrity. 19" rack mounting ears are available as an accessory.
### SSA 6RM Rackmount Kit

**Rackmount Kit is available as an accessory**

**Parameter** | **Specification** | **Limit** | **Units** | **Conditions/Comments**
--- | --- | --- | --- | ---
Power Output | 100 | Min | W | All channels driven, 20-20 kHz
| 150 | Min | W | (6) 8 ohm loads
| 300 | Min | W | (6) 4 ohm loads
Inputs:
| Impedance | Active Unbalanced | 20k | ohms | Gold plated RCA connectors
| Sensitivity | 0.6V input=100 W/8 ohms | 1% | mV | Level controls at Max
Outputs:
| Damping Factor | 300:1 | 10% | | 1 kHz
| Minimum Load | No less than 4 ohms | No less than 8 ohms | Single channel operation
| Fan Cooling | Continuous Variable Speed | DC | Intake rear; exhaust front
| Output Protection | On/Off Transient Muting | | Output relays
| Input Protection | Servo-Locked™ Input Atten. | | | 
| Peak Limit | 1% THD | | | 
| Load Limit | | | | 
| Frequency Response | 10-55 kHz | +0/-3 | dB | 100 W into 8 ohms, 20-20 kHz
| THD+Noise | 0.07 | .03 | % | 60 Hz/7 kHz, 4:1
| IM Distortion (SMPTE) | 0.1 | .05 | % | 100 W, 0.775v sens., 20 kHz BW
| Signal-to-Noise Ratio | 103 | 2 | dB | 1kHz, any channel to any channel
| Crosstalk | -60 | 3 | dB | (6) Channels driven to full power
| Maximum AC Power | 2200 | W | | 
| Unit: Agency Listing | | | | 
| 120 VAC model | UL | | | 
| | cUL (Canada) | | | 
| 230 VAC model | CE-EMC certified EN55013 | | | 
| | CE-Safety certified EN60065 | | | 
| Unit: Construction | | | | 
| Size | 5.25"H x 17.4"W x 11"D (3U) | | | 
| Weight | 32 lb | | | 
| Shipping: Size | 11" x 23" x 16" | | | 
| Weight | 37 lb | | | 

Note: 0 dBu=0.775 Vrms