



SMCC Solid State Amplifiers

200 – 1000 MHz • 10 Watts to 3000 Watts, Minimum Rated Power

| <u>Standard Features for IFI SMCC Solid State Series Amplifiers</u> | |
|---|--|
| Standard Features: | VSWR Reflected Power Protection, the unit operates without damage or oscillation into any magnitude of phase or load impedance, Open & Short Circuit Protection. |
| | * Alternate Prime Power (<i>specify at time of order</i>) |
| | GPIB IEEE 488 & RS232 Remote Control |
| | RF Sample Port on the Front Panel, 112R for rear panel |
| | Internal Pre-amplification to obtain rated output power with an input level of 0 dBm or less. |
| | Gain Control Local & Remote, 30dB range |
| | RF Input/Output Connectors on the Front Panel, 118R for rear panel |
| | Internal Systems Diagnostics & Status Indicators |
| | Total/Operate Elapsed Time Metering in hours |
| | RF Safety Interlock |
| | Forward/Reflected Power Indication simultaneously on Front Panel display |

| <u>IFI SMCC Solid State Series Amplifier Specifications</u> | |
|---|--|
| Frequency Range: | As Specified in Model Table |
| Rated Output Power: | As Specified in Model Table |
| Gain @ Rated Power: | As Specified in Model Table |
| Prime Power: | As Required (Some are listed below) |
| Input/output Impedance: | 50 ohms |
| RF Input/ Sample Connectors: | Type N Female, unless specified otherwise |
| RF Output Connector: | Type N Female up to 600 Watt amps, SC or 7/16 available, 7/16 2KW-3KW amps Other connectors available by request or specification |
| Input VSWR: | 2.0:1 |
| Output VSWR: | 2.5:1 |
| Operating Temp: | 0° to 50° C |
| Non-operating Temp: | -40° to 70° C (50,000 feet max) |
| Humidity: | 95% without condensation |
| Altitude: | 10,000 feet |
| Cooling System: | Air cooled, self contained |
| Modulation: | AM,FM, Pulse |
| Configuration: | Rack Mount as specified in Model Table, or Rack/Cabinet Integrated |
| Spurious Outputs: | <-60 dBc nominal |
| Harmonics: | -20dBc minimum @ Linear Power |

| <u>Standard Prime Powers:</u> | |
|--|--|
| 100, 115, 120 VAC ±10% 50/60 Hz, single phase | |
| 220, 230, 240VAC ±10% 50/60 Hz, single phase | |
| 120/208 or 200/220/230/240VAC ±10% 50/60 Hz, three phase Wye or Delta power is available | |
| 200/220/230/240VAC ±10% 50/60 Hz, three phase Wye or Delta power is available | |
| Special Prime Powers other then listed are subject to availability | |

| <u>Some Available Options for IFI SMCC Solid State Series Amplifiers</u> | |
|--|---|
| Option 110-1E: | GPIB IEEE-488 RS232 and Ethernet Remote Control |
| Option 110-2: | GPIB IEEE-488 and RS 422 Remote Control |
| Option 110-3: | GPIB IEEE-488 and RS 485 Remote Control |
| Option 113: | Chassis slides for a 19" rack mounting |
| Option 118A: | RF Input On Front Output On Rear |
| Option 118B: | RF Input On Rear Output On Front |

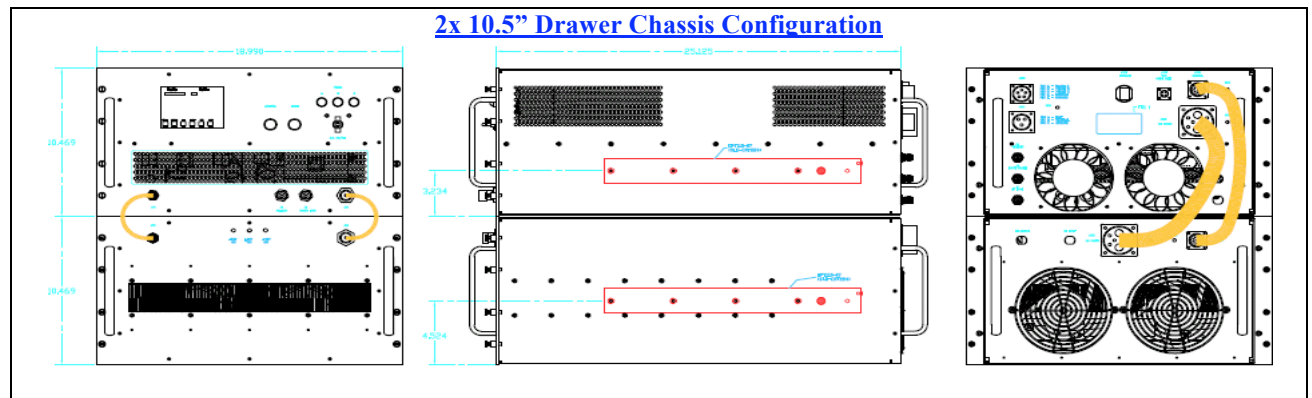
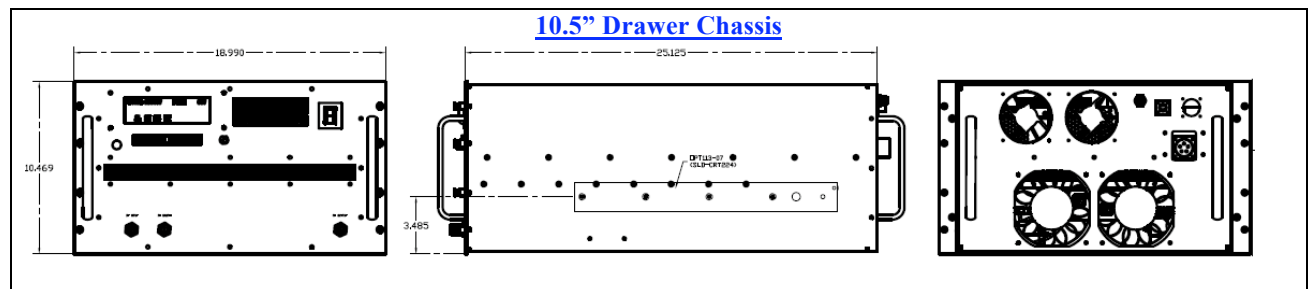
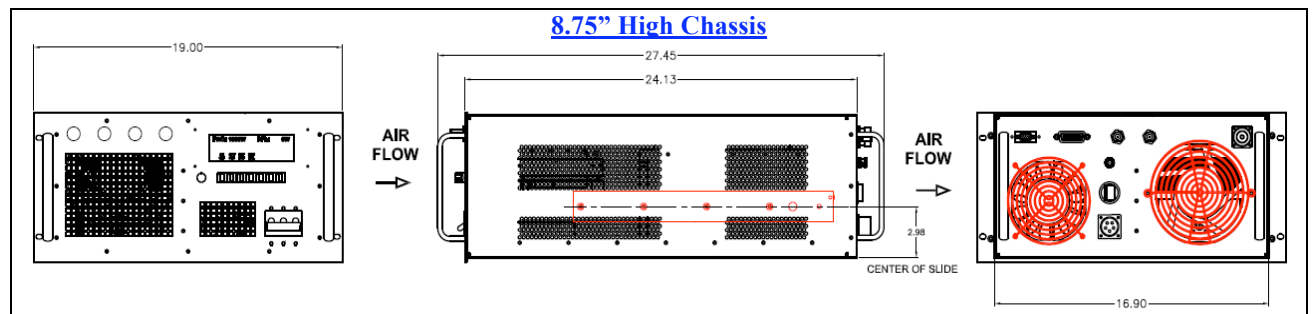
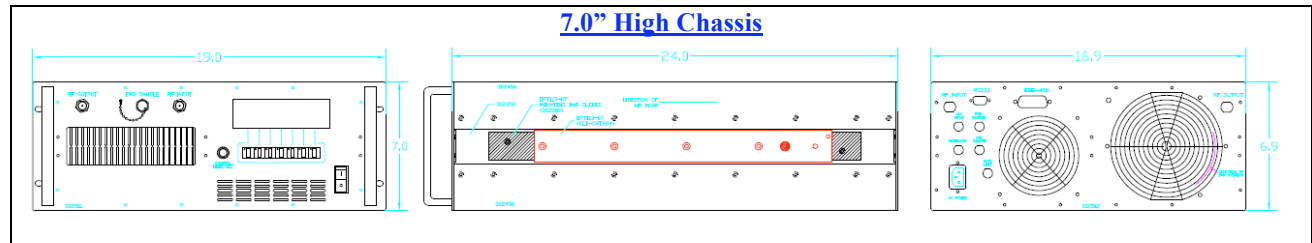
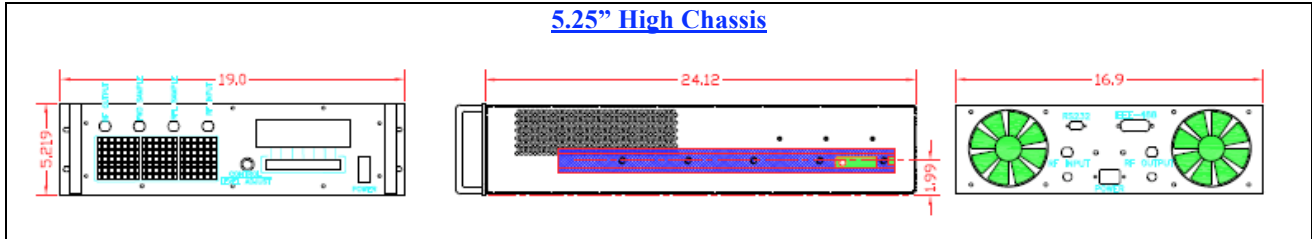




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Outline Configurations:





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Rack Outline Configurations:

