Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz ~ 1000MHz
- Output Power (CW): 50W (typ.) @3dB Comp.

**APPLICATION**
- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 100kHz ~ 1000MHz
- **Small Signal Gain**: +47.0dB (min.)
- **Gain Flatness**: ±3.0dB (max.)
- **Output Power (CW)**: 35W (typ.), 25W (min.) @1dB Comp.
- **50W (typ.), 40W (min.) @3dB Comp.**
- **Harmonics**: -20.0dBc (max.) @Po=30W
- **Spurious**: -70.0dBc (max.) @Po=50W
- **Impedance**: 50Ω
- **Input Return Loss**: 14.0dB (min.) / VSWR : 1.5 (max.)
- **Maximum RF Input Power**: +3dBm
- **AC Supply Input**: AC90V ~ 240V / 1φ, 50 / 60Hz, 800VA
- **Operating Temperature**: 0°C to +40°C
- **Storage Temperature**: −15°C to +65°C
- **Connectors**: RF-IN: N-FEMALE @REAR PANEL, RF-OUT: N-FEMALE @REAR PANEL
- **Size**: (W)430mm×(D)560mm×(H)177mm (EIA:4U) *Excluding Projection
- **Weight**: 20.5kg (typ.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection, Power Supply Voltage Protection
- **Other Function**: Safety Interlock (EMERGENCY)

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Small Signal Gain**
  - Gain (dB): 10 to 70
  - Frequency (MHz): 0.1 to 1000

- **Input Return Loss**
  - Return Loss: 0 to 20 dB
  - Frequency (MHz): 0.1 to 1000

- **Output Power Linearity**
  - Output Power (dBm): 44 to 51
  - Frequency (MHz): 0.1 to 1000

- **Output Harmonics**
  - Output Harmonics (dB): 0 to -70 dB
  - Frequency (MHz): 0.1 to 1000

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