RF POWER AMPLIFIER

R&K-A801M202-5353R

Class A Linear Solid-State Amplifier
Broadband Frequency: 800MHz ~ 2000MHz
Output Power (CW): 200W (min.) @1dB Comp.
With Output Circulator

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

SPECIFICATIONS @ +25°C
Frequency Range: 800MHz ~ 2000MHz
Small Signal Gain: +53.0dB (min.)
Gain Flatness: ±2.0dB (max.)
Output Power (CW): 200W (min.) @1dB Comp.
Operation Mode: Class A
Output I.C.P.: +63.0dBm (typ.)
Harmonics: ~20.0dBc (max.) @ Po=200W
Spurious: ~70.0dBc (max.) @ Po=200W
Impedance: 50Ω
Input VSWR: 2.0 (max.)
Output VSWR: 3.0 (max.)
Maximum RF Input Power: +3.0dBm
AC Supply Input: AC200V ±15% / 1φ, 50/60Hz, 2.4kVA
Operating Temperature: 0°C to +35°C
Storage Temperature: -15°C to +65°C
Connectors: RF-IN N-FEMALE @ REAR PANEL
RF-OUT N-FEMALE @ REAR PANEL
Size: (W)480mm × (D)649.5mm × (H)310mm (EIA: 7U)
Weight: 43.0kg (typ.)
Cooling: Forced Air Cooling
Protection Circuits: Over Temperature Protection
Power Supply Voltage Protection
Output Over Power Protection @220W
Output Over Reflected Power Protection @120W
Remote Interface: [Standard] GPIB (IEEE-488)
[Optional] Ethernet, RS-232C
Other Functions: R&K Multi Monitoring System
Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)

Gain Flatness

Input / Output VSWR

Output Power 1dB Gain Comp.

Output Harmonics

Output Power Linearity

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