RF POWER AMPLIFIER

2021 Model
A009K251-4646R

Class A Linear Solid-State Amplifier
Broadband Frequency: 9kHz ~ 250MHz
Output Power (CW): 40W (min.) @ 1dB Comp.

APPLICATION

■ EMC (Electromagnetic Compatibility)
■ Etc...

SPECIFICATIONS @ + 25°C

Frequency Range: 9kHz ~ 250MHz
Small Signal Gain: +46.0dB (min.)
Gain Flatness: ± 2.0dB (max.)
Output Power (CW): 40W (min.) @ 1dB Comp.
Output I.C.P: +54.0dBm (typ.)
Harmonics: -20.0dBc (max.) @ Po=40W
Spurious: -70.0dBc (max.) @ Po=40W
Operation Mode: Class A
Impedance: 50Ω
Input Return Loss: 9.5dB (min.) / VSWR: 2.0 (max.)
Output Return Loss: 6.0dB (typ.) / VSWR: 3.0 (typ.)
Maximum RF Input Power: +3.0dBm
AC Supply Input: AC90V ~ 240V / 1φ, 50/60Hz
400VA (typ.), 500VA (max.)
Operating Temperature: 0°C to +40°C
Storage Temperature: -15°C to +65°C
Connectors: RF - IN N - FEMALE
RF - OUT N - FEMALE
Size: (W)430mm x (D)450mm x (H)132.6mm (EIA: 3U)
*Excluding Projection
Weight: 14.5kg (typ.)
Cooling: Forced Air Cooling
Protection Circuits: Over Temperature Protection
Power Supply Voltage Protection

OUTLINE DRAWING ※ IN MILLIMETERS

TYPICAL PERFORMANCE (Temp @+25°C)

Small Signal Gain
Input / Output VSWR
Output Power 1dB Gain Comp.
Output Harmonics

Output Power Linearity

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan’s "Foreign Exchange and Foreign Trade Law".