



MODEL KMA1001
1 WATTS CW
225-400MHz

The Model KMA1001 is a class A RF power amplifier module for OEM applications or integration into a user system. Multi-stage blanking is incorporated for minimum broadband noise when unkeyed. Cooling requirements defined by the data provided below and protection of the output devices against output mismatch are the responsibility of the user.

SPECIFICATIONS

POWER.....	1 Watt
FREQUENCY RANGE.....	225-400MHz
GAIN	41 dB min
FLATNESS	± 0.5 dB
HARMONICS.....	Second = - 30dBc max
.....	Third = - 22 dBc max
BROADBAND NOISE.....	- 131 dBm/Hz avg
ON / OFF RATIO	- 90 dBc max
ON / OFF TIME.....	60 µsec max
OPERATING TEMP	- 10/+55°C @ ambient
SHUTDOWN TEMP	80 °C @ enclosure
PRIMARY POWER	28 V _r @ 0.9 A max
SIZE (H X W X D) KMA1001	4.50" X 3.00" X 1.75"

INTERFACE / CONNECTOR

INPUT / OUTPUT / BREAKPOINTS	SMA
POWER / CONTROL	filtered 9-PIN D-SUB
OVERTEMP STATUS.....	≥ 4V normal, ≤ 0.5V overtemp
ON / OFF CONTROL (REQUIRED 20Ma source).....	≤ 0.5V = OFF, ≥ 4V = ON

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