MODEL KMW1095
30 WATTS CW
10 – 1000 MHz

The Model KMW1095 is an RF power amplifier module for OEM applications or integration into a user system. The module comprises a printed wiring assembly housed in a machined aluminum enclosure with a 9-pin D-subminiature connector for connection to the DC power source. Cooling requirements defined by the data provided below and protection of the output devices against output mismatch are the responsibility of the user.

SPECIFICATIONS

FREQUENCY RESPONSE	10 – 1000 MHz
POWER OUTPUT @ 1db COMPRESSION	30 Watts
INPUT FOR RATED OUTPUT	1.0 mW maximum
GAIN	45dB minimum
FLATNESS	+/- 2.5dB maximum
HARMONIC DISTORTION	-11dBc maximum
IP3 @ 0.2 MHZ SPACING	+52dBm minimum
BROADBAND NOISE @ 1MHz B.W.	-120dBm / HZ maximum
INPUT VSWR	2:1 maximum
MISMATCH TOLERANCE	2:1 @ rated power / 10:1 without damage
PRIMARY POWER	28V @ 5A Avg / 7A maximum / 0.6A OFF
CONNECTORS	SMA female (RF input & output) 9-pin D-sub (filtered)

TEMPERATURE PERFORMANCE

OPTIMUM TEMPERATURE @ ENCLOSURE	< 50° C
SHUTDOWN TEMPERATURE @ ENCLOSURE	80° C

INTERFACE

PIN 6 = ON/OFF	30µsec maximum (+5V or not connected = OFF)
	(≤ 1V or ground =OFF)
PIN 2 = OVERTEMP STATUS*	≤ 1V @ 80° C / ≥ 5V normal status
PIN 3, 4, 5	+28V
PIN 7, 8, 9	-28V / ground

* Output for LED available

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