

MODEL KMW1092
8 - 10 WATTS CW
25 MHz - 1000 MHz

The Model KMW1092 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 feed-through capacitive terminals 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

CLASS OF OPERATION.....	Class AB
INPUT FOR RATED OUTPUT	1 Watt maximum
POWER OUTPUT @ 1db COMPRESSION.....	8 - 10 Watts minimum
FLATNESS	± 2.5 dB maximum
FREQUENCY RESPONSE.....	25 MHz - 1000 MHz
GAIN	14 dB nominal
INPUT IMPEDANCE.....	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	Infinite (CW signal @10W output)
EFFICIENCY.....	35% Average
HARMONIC DISTORTION	- 20dBc average
ON/OFF TIME.....	20 μ S (ON=TTL High, Off=TTL low [ground])
PRIMARY POWER @ 10W	24 V @ 1.8A
RF CONNECTORS	SMA female
OPERATING TEMPERATURE	-10 TO +60° C Ambient
SIZE (L x W x H).....	4" x 1.5" x 1"

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