

MODEL KMW1180
60 WATTS CW
20 MHz - 1000 MHz

The Model KMW1180 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

POWER OUTPUT @ 1db COMPRESSION.....	60 Watts minimum
INPUT FOR RATED OUTPUT	1.0 mW maximum
FREQUENCY RESPONSE.....	20 MHz - 1000 MHz
CLASS OF OPERATION.....	Class AB
GAIN	47 dB minimum
FLATNESS	± 2.5 dB typical
INPUT IMPEDANCE.....	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	2:1 maximum
MODULATION CAPABILITY.....	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
BLANKING.....	High speed TTL
NOISE FIGURE.....	6 dB typical
HARMONIC DISTORTION	- 30 dBc (2-), -35 dBc (3-) typical
PRIMARY POWER	24 - 28 V _{dc} @ 7 A (Solder terminals)
RF CONNECTORS	SMA female (input); N-Type (output)
SIZE (L x W x H).....	6.3 x 4.6 x 1.5 inches
OPERATING TEMPERATURE	0° C TO +65° C
WEIGHT.....	2 lbs
TEMPERATURE SHUTDOWN	+85° C @ baseplate

PRELIMINARY

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