

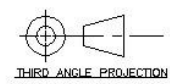
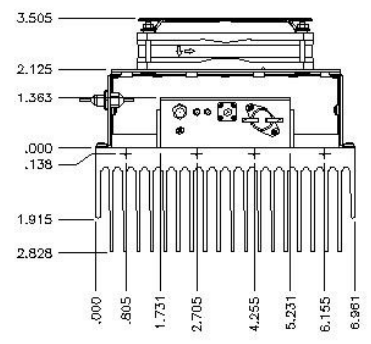
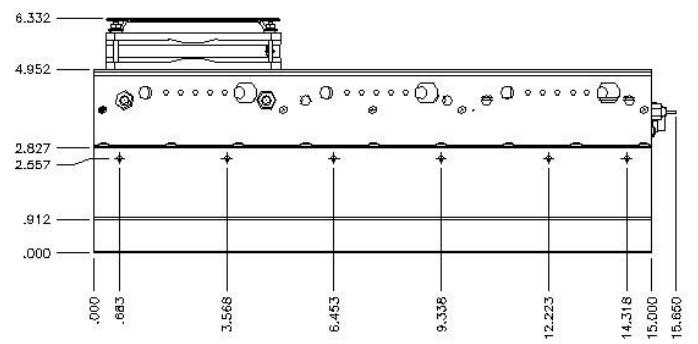
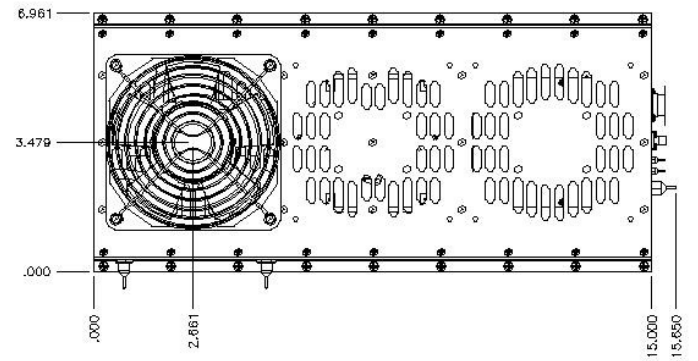
MODEL KMW2200
125 WATTS CW
6 MHz - 600 MHz

The Model KMW2200 is an RF power amplifier module for OEM applications or integration into a user system. The module comprises a printed wiring assembly mounted on a heatsink with side panels, top cover and fans. Feed-through capacitive terminals provide 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

RATED POWER OUTPUT	125 Watts
INPUT FOR RATED OUTPUT	0 dBm / 1 mW
POWER OUTPUT @ 1db COMPRESSION	110 Watts minimum
CLASS OF OPERATION.....	Class AB
FLATNESS	± 2.5 dB maximum
FREQUENCY RESPONSE.....	6 MHz - 600 MHz
GAIN	51 dB minimum
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
NOISE FIGURE.....	10 dB typical
HARMONIC DISTORTION	- 13 dBc maximum
PRIMARY POWER	28 V @ 15 A (Solder terminals)
RF CONNECTORS	SMA female
Size (L x W x H) including top cover fan	15.5 X 7 X 4 inches
COOLING.....	Maximum allowable enclosure temperature 60 °C

REVISIONS				
REV	ECR	DESCRIPTION	DRWN	DATE
-	-	INITIAL RELEASE TO PRE-PRODUCTION	WAM	17/JAN/2004



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMAL TOLERANCES 3 DECIMALS ± .001 2 DECIMALS ± .01 ANGULAR FINISHES = UNLESS OTHERWISE SPECIFIED SURFACE = 125 RA UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING	APPROVALS BY: W.MATELICH CHECKED: _____ DESIGNED: _____ DRAWN: _____ DATE: _____	DATE 17/JAN/2004	air northwest 11807 North Creek Parkway South Denver, CO 80231 303-953-9000 KMW2200 AMP MODULE CW 6-600MHz FILE: B OBKRS 4-62-293-001 SHEET: N.T.S. 1 OF 1
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