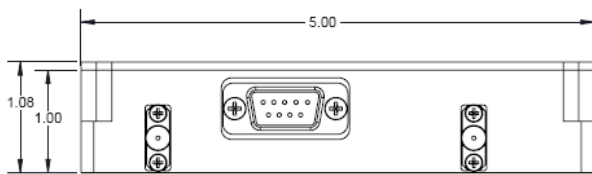
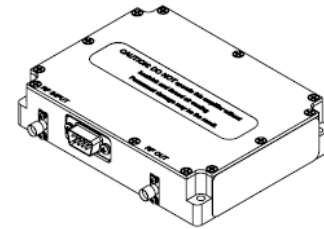
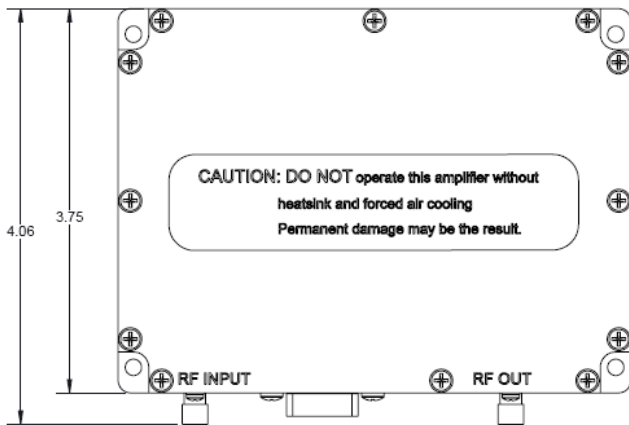


**MODEL KMW2026M15  
40 WATTS CW  
225-450 MHz**

The Model KMW2026M15 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 connection to the DC power source via the 9-pin connector. Cooling requirements defined by the data provided below and protection of the output devices against output mismatch are the responsibility of the user.

<b>SPECIFICATIONS</b>	
<b>Operating Frequency</b>	225-450 MHz
<b>Output Power @ 1db compression @ 28V</b>	40 Watts
<b>Output Power @ 0 dB Compression @ 28V</b>	25 Watts
<b>Gain/flatness @ 12.5W</b>	47 dB +/-1 dB
<b>T.O.I. @ 25W [spacing 250 KHz]</b>	+54 dBm typical
<b>Input/output Return Loss</b>	-10 dB max
<b>Noise Figure</b>	10 dB max
<b>Harmonics @ 25W</b>	-35 dBc avg / -19 dBc max
<b>Spurious@1 MHz and 50mhz off carrier</b>	-70 dBc max
<b>Operating Voltage</b>	28V +/-2V
<b>Supply Current @ 25W CW @ 28V</b>	3.6A max
<b>Supply Current when muted</b>	≤160 mA ± 10 mA
<b>Gain when muted [on/off ratio]</b>	-77 dBc max
<b>On/Off Time</b>	≤10 μSec [Including Delay]
<b>Operating Case Temperature</b>	-40°C - +85°C
<b>Input Overdrive</b>	+6 dBm max
<b>Load VSWR @ 25W</b>	∞ @ all load phase & amplitude
<b>Thermal Overload shutdown</b>	85°C @ enclosure
<b>Dimensions</b>	1.0 H x 3.75 W x 5.0 L inches
<b>Weight</b>	1.0 lb.
<b>RF Connectors</b>	SMA Female
<b>Cooling</b>	External Heatsink

Interface 9-pin D-sub		
Pin 1	Thermal Overload status	>3V normal <0.5V fault
pin 3	Current Monitor Analog voltage	50 mV per 100 mA
Pin 4	Temperature Monitor Analog voltage	10 mV per 1°C [@ 25°C = 750 mV]
pin 5	Mute function	Enable =TTL "Low Disable =TTL "High
Pin 6	+VDD +28 VDC ± 2V	
Pin 7	+VDD +28 VDC ± 2V	
Pin 8	GND Ground	
Pin 9	GND Ground	



PRODUCT P/N & SERIAL LABEL

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