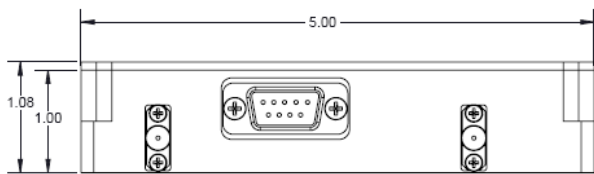
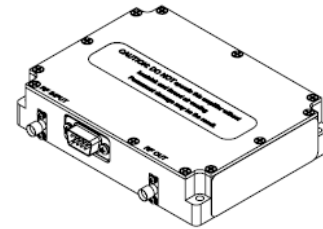
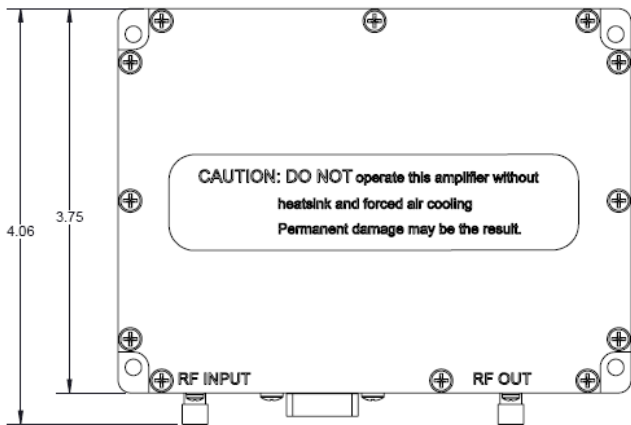


**MODEL KMW2026M15
40 WATTS CW
225-450 MHz**

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.

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