



MODEL KMW2026-M26
60W CW
291MHz +/-5MHz

OEM application, break between stages, for insertion customer BP filter. Except as noted, specifications met for supply voltage ranging from 24-30V. Module Paired/tested with supplied LP filter.

Table with specifications: Power (60 W CW), FREQ (291 MHz +/-5 MHz), GAIN/flatness window (63 dB +/-0.4 dB), Harmonics (<-80 dBc), Current (<7 A), AM distortion (<3%), ON/off functions (On/off time <150 usec, ON/off ratio > -80 dB, Off current <100 ma), Enclosure operating temperature (-40C to +70 °C), Overtemperature shutdown/restore (90C/75C), Size with connectors (7.1" x 4.25" x 1.2)

Break spec

Table with break specifications: Break out (J4) (gain 36dB +/-1 dB, Noise figure < 0.9 dB, nominal Output Impedance 50 Ω, Output VSWR < 2.0), Break in/final (J3) (gain 33 dB +/- 1 dB, Noise figure < 9 dB, nominal input Impedance 50 Ω, Input VSWR < 2.0), Breaks isolation/leakage (60 dB)

Protections

Module will survive 60w into open/short indefinitely
Module will survive 5db overdrive over Input, for rated 60w
* at 28v module could produce up to 200w saturated power

RF connectors

Input/Output/Breakpoints.....SMA

Interface DB-9

Table with interface specifications: Pin 1, 2, 3 (-DC/ground), Pin 7, 8, 9 (DC Filtered, +DC), Pin 4 On/Off (0.8v +/-0.1v =ON, ≥4V or not connected = OFF), Pin 5 Overtemp Status Pin (≥ 4V = normal, < 0.5v = overtemp), Pin 6 Gain Control [Optional] (not used)

Vibration..... Sinusoidal vibration, double amplitude of 0.1 inches from 5 to 20 Hz and from +2g to -2g between 20 and 2000 Hz. See attached for drawing

Mechanical

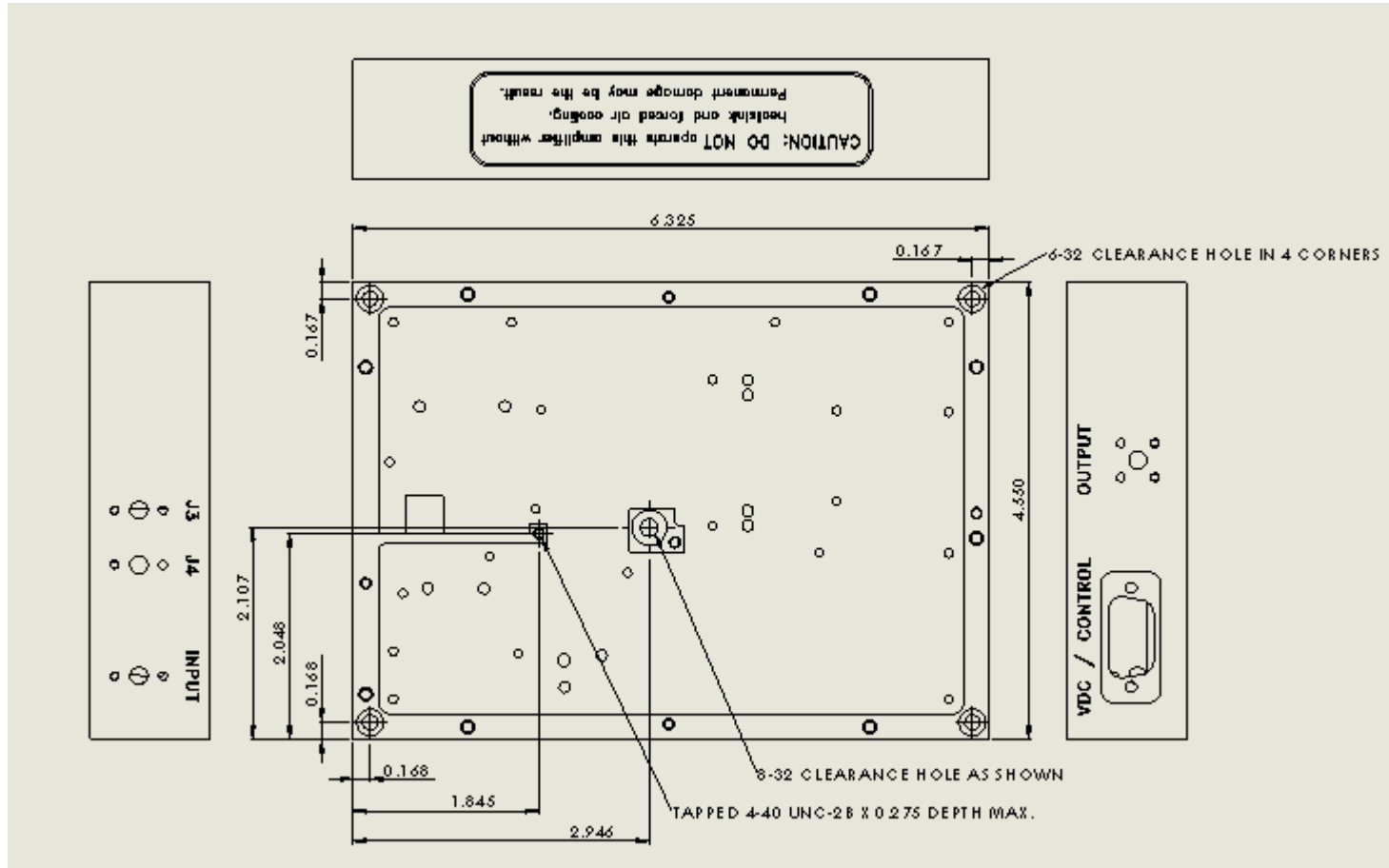
See attached

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This specification is subject to change without notice.



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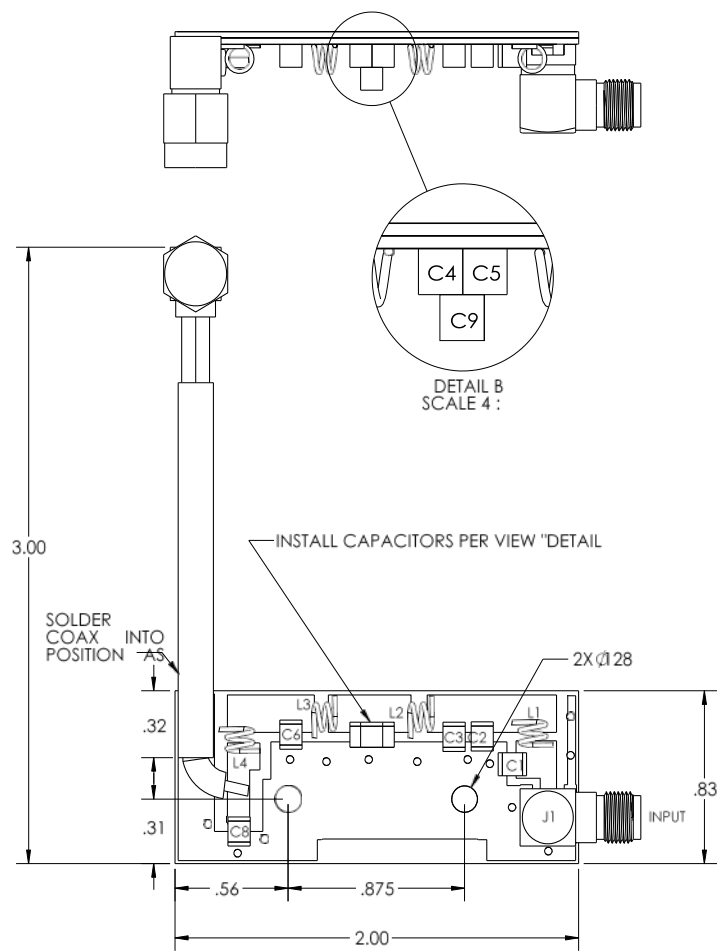


KMW2026-M26 ENCLOSURE

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PCB ASSEMBLY LOW PASS FILTER

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