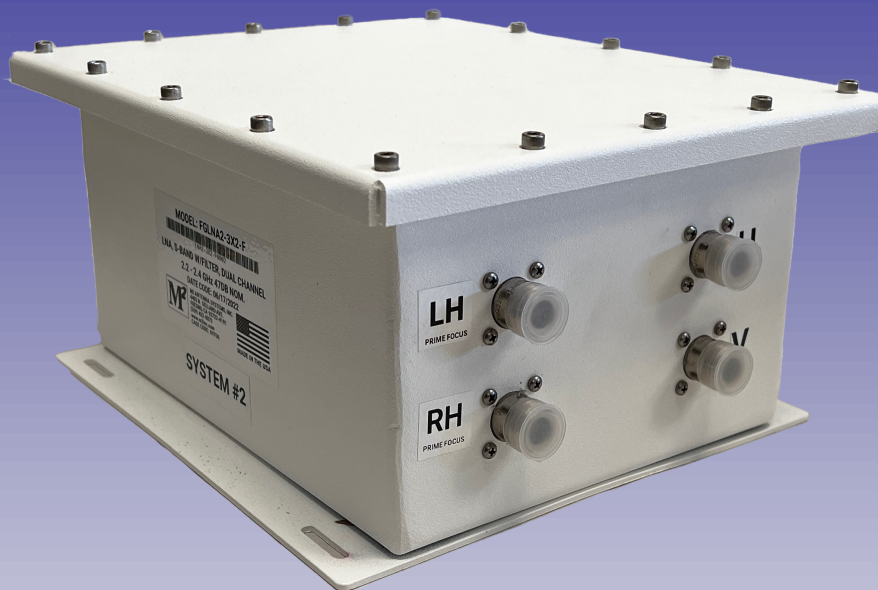




M2 Antenna Systems, Inc.

Model No: FGLNA2-3X2-F

Beam Forming Dual channel Low Noise Amplifier



SPECIFICATIONS:

ModelFGLNA2-3X2-F
Gain47 dB nom. (45 dB min)
PolarityLin V/H, Circular R/L
Pass-Band2.2-2.4 GHz, Filtered
Inputs.....Linear V/Linear H
PowerDC over Coax, 13-24 VDC

Outputs: Linear V/H, Circular R/L
Mount Style 4-hole panel mount
Body Material..... Aluminum
Hardware Stainless
Connector N, Female, SS
Finish White, Powder Coat
Power Inputs..... Circular R / L

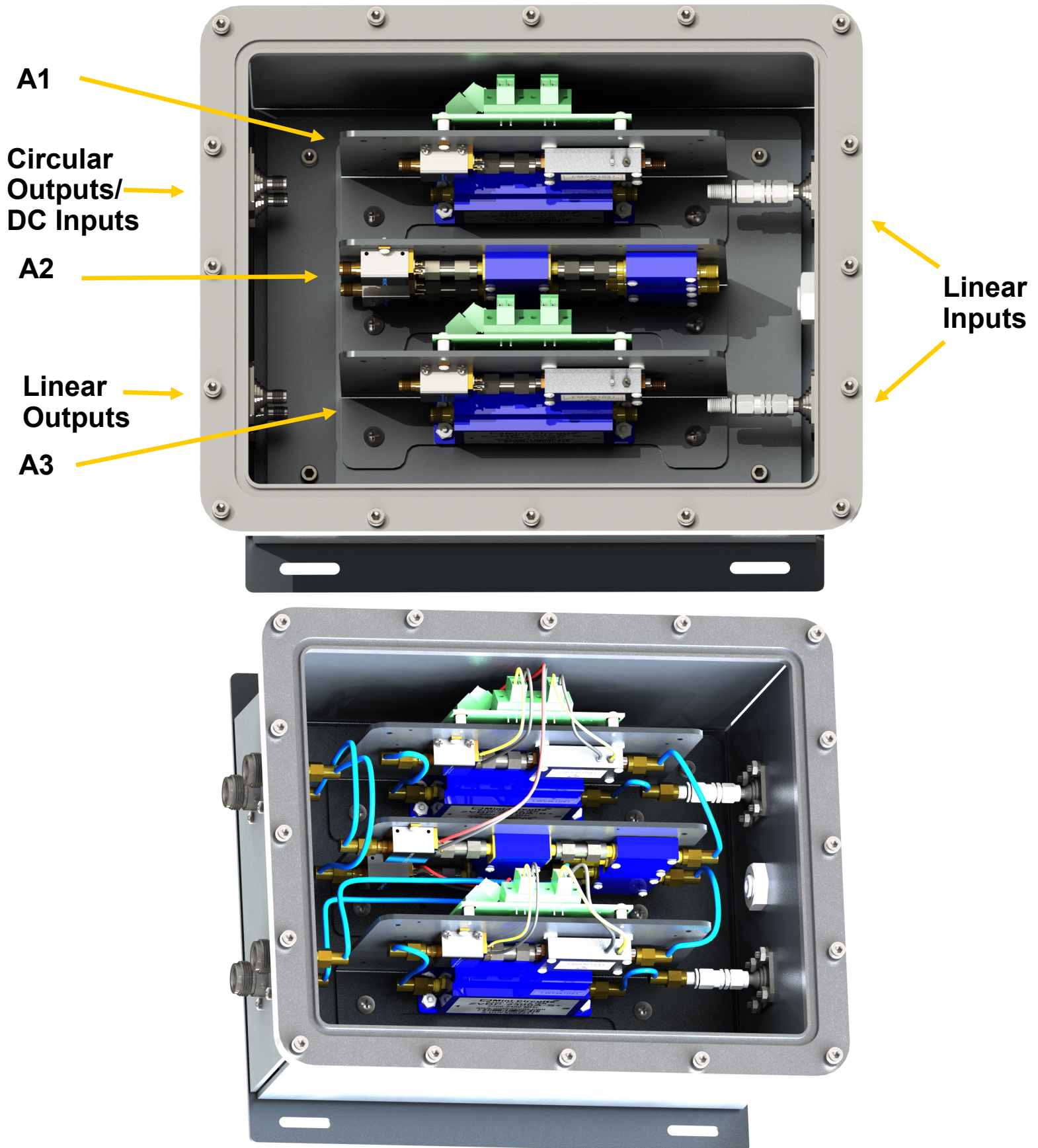
Features:

M2 continues to improve and add to its line of beam-forming Low Noise Amplifier and Filter electronics. Our latest addition is the new LNA2-3X2-F. This robust dual channel low-noise amplifier provides for user selectable filtering. When bypassed, the LNA operates across the full band from 1.95 - 3.05 GHz. Built for S Band operation, when coupled with the M2 Quad-probe linear feed, this amplifier and beam-forming network delivers both Linear (Vertical and Horizontal) and Circular (Left and Right hand) signals, for complete operational flexibility. The precision machined aluminum housing is fully sealed to combat brutal weather conditions. The LNA / Filter system is contains field replaceable modules allowing for rapid return to mission. For complex microwave solutions, look no further than M2 Antenna Systems. Call us for your rf and microwave needs.

Internal Module Layout

Note:

All internal SMA connections should be torqued to 8 +/-2 inch pounds.



Amplifier and Filter Module (A1 and A3)

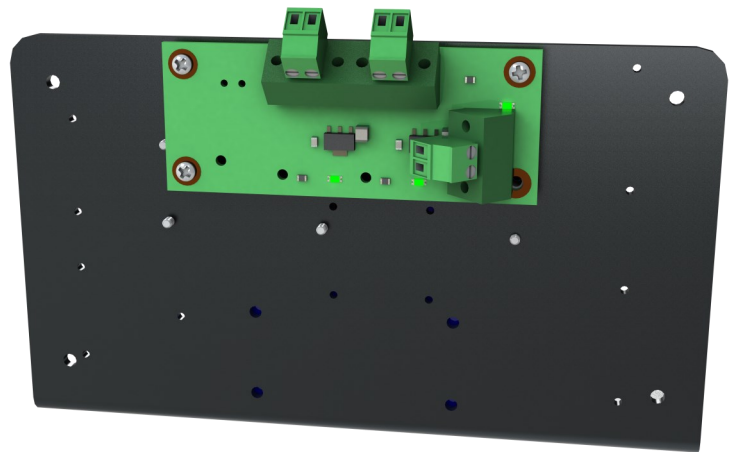
LOW NOISE AMPLIFIER AND FILTER

Front

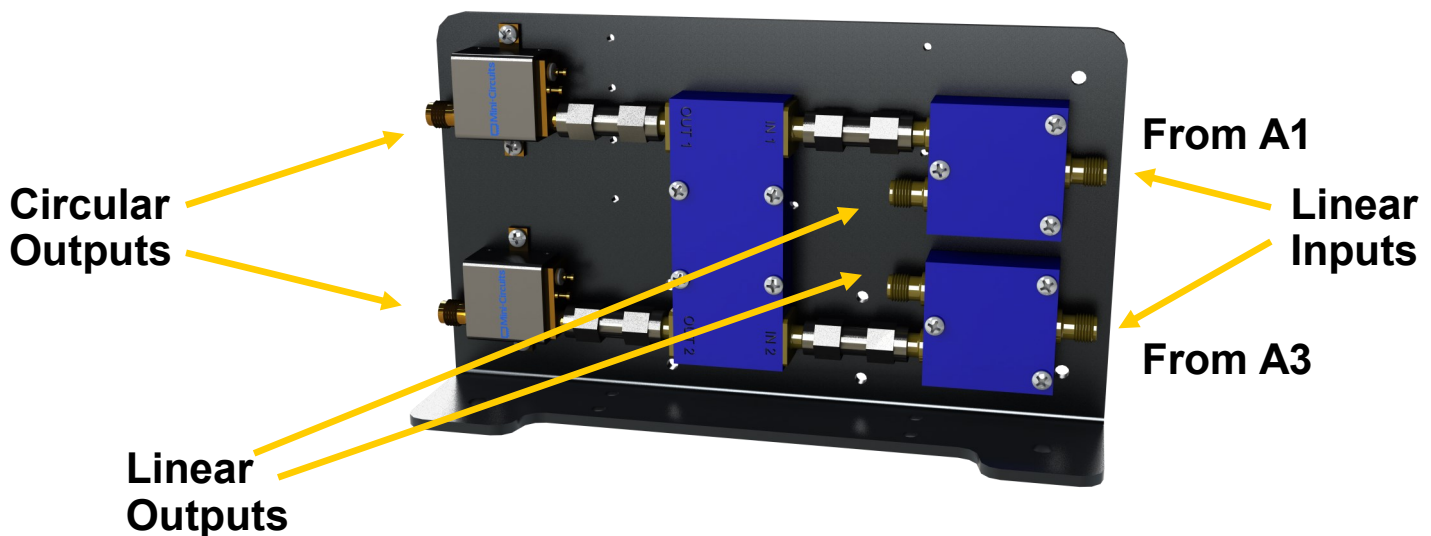


VOLTAGE REGULATOR
13-24 VDC IN 2X12VDC OUT

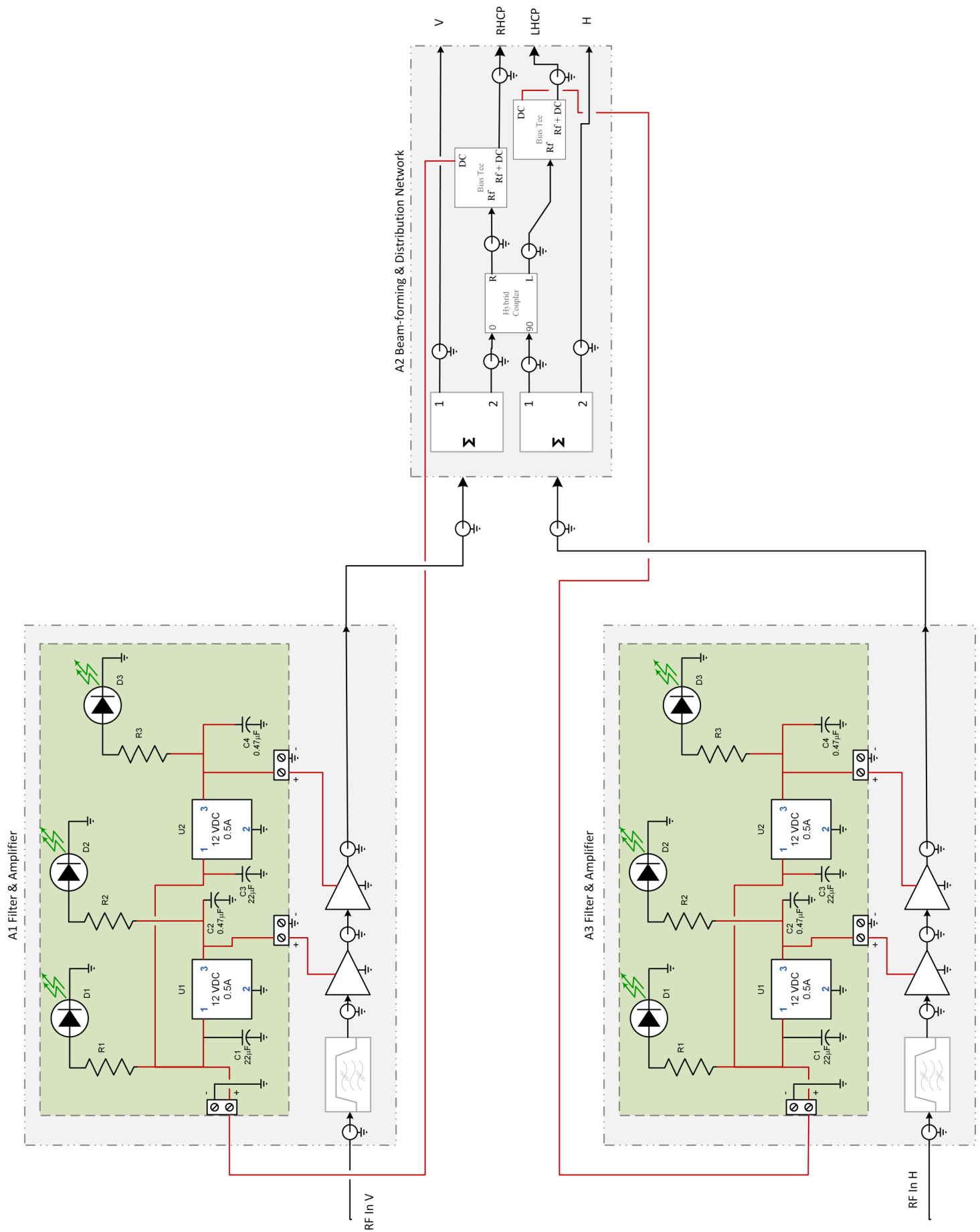
Rear



Distribution and Beam Former Module (A2)



RF And DC Power Signal Flow



12 Month Limited Warranty Information

This warranty gives you specific legal rights. You may also have other rights which will vary from state to state or province to province.

M2 warrants the **FGLNA2-3X2-F** Low Noise Amplifier against defects in material and workmanship for a **period of 12 months** from date of purchase. During the warranty period, **M2** will, at its option, either repair or replace products or components which prove to be defective. The warranty shall not apply to defects or damage resulting from:

- Improper or inadequate maintenance by user
- Improperly prepared installation site
- Unauthorized modifications or misuse
- Accident, abuse, or misapplication
- Normal wear

M2 specifically does not warrant this product for any direct, indirect, consequential, or incidental damages arising from the use or inability to use the product. Some states or provinces do not allow the exclusion or limitation of liability for consequential or incidental damages so the above limitation may not apply.

In the event repair or replacement are necessary, purchaser shall contact **M2** for return authorization. In many cases this contact can simplify and expedite the repair / replacement process and help reduce costs and downtime.

The purchaser shall be responsible for packing the product properly for return and for charges to ship the product to **M2**. Always include with the shipment, a statement detailing the problem / failure and any other pertinent observations. Insuring the product for shipment is recommended. Use the original packing materials whenever possible. **M2** is responsible for charges **(in the United States)** to return the repaired / replacement product only where warranty service is involved.

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