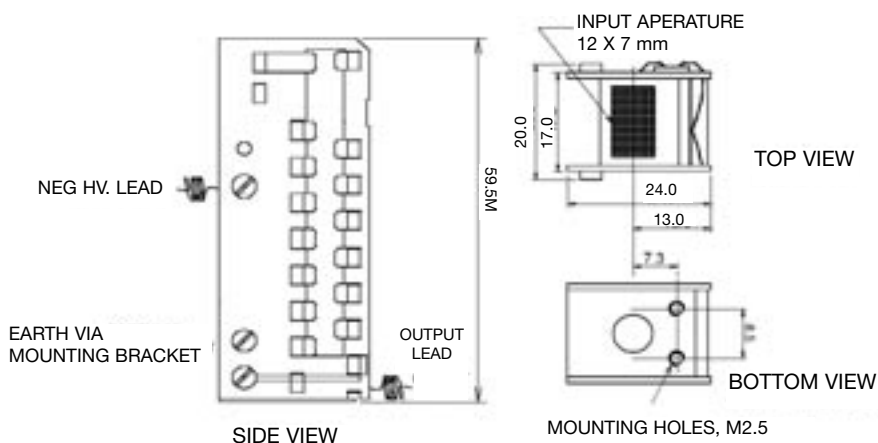


Installing and Operating the 14122 and 14122H *ACTIVE FILM Multiplier*TM

1. Please note: The multipliers are shipped with a protective cover over the input aperture.
Carefully REMOVE COVER during installation and avoid contact with the underlying delicate aperture grid.
2. There are 3 electrical connections to the multiplier: i) -HV, ii) signal output and iii) earth via the mounting bracket (refer diagram below).

Additional Notes for Installation and Operation of High Current 14122H version *Active Film Multipliers*

1. The high voltage supply used in conjunction with a high current (“H”) version Active Film Multiplier must be capable of delivering 1 to 1.5 mA of current to supply the multiplier’s low internal resistance.
2. As an “H” version multiplier dissipates several watts of power, a thermally conductive path must be maintained between the multiplier’s mounting and the chamber walls.
3. To avoid noise due to out-gassing of adsorbed water vapour, it is recommended that “H” version multipliers be exposed to vacuum for 16 hours before initial operation and the applied voltage kept below 2 kV for the initial two hours of operation after exposure to air.



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