

# MFX-HVM-50-1

## MicroFocus High Voltage (HV) Module

Family	TruFocus Ordered P/N	Description	Max. Voltage (kV)	Max. Current (mA)	Max. Power (W)
MFX	MFX-HVM-50-1	MicroFocus High Voltage Module supplies target voltage	50	1	50

**HV output connector**  
to be connected to  
X-Ray tube



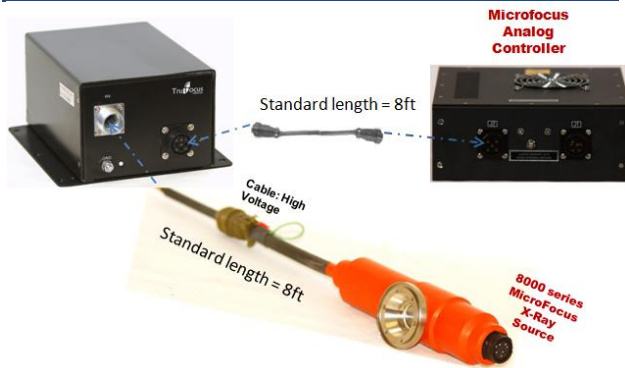
**Input Connector**  
to be connected to  
MFX Controller

**MicroFocus HV Module** is a HV voltage multiplier (High Voltage Divider) and is designed in conjunction with TruFocus' MicroFocus Controller and MicroFocus X-Ray source to form a fully programmable MicroFocus X-Ray sub-system. MicroFocus Controller controls and monitors the output voltage and current of the MicroFocus HV Module.

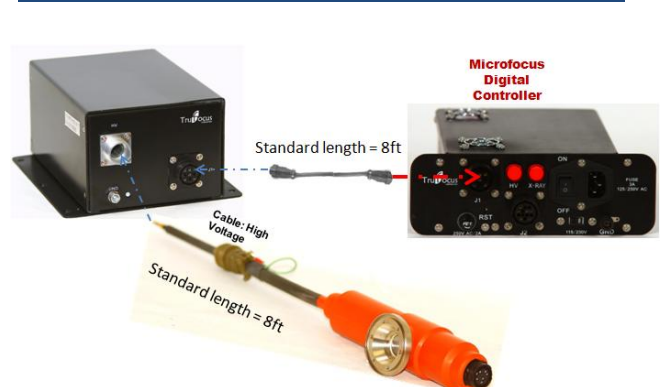
### High Voltage output connector

Parrameters	Specification	Note
Output kV	0 to 50 kV	50 kV max
Output Current ( mA)	0 to 1 mA	1 mA max
kV Regulation	0.01%	
mA Regulation	0.01%	With feedback control
Output Stability	0.01%/ hr and 0.03%/ 8 hrs	
Ripple	0.1 % maximum	RMS
Temperature Coefficient	100 ppm / °C	

### Connected to MicroFocus Analog Controller



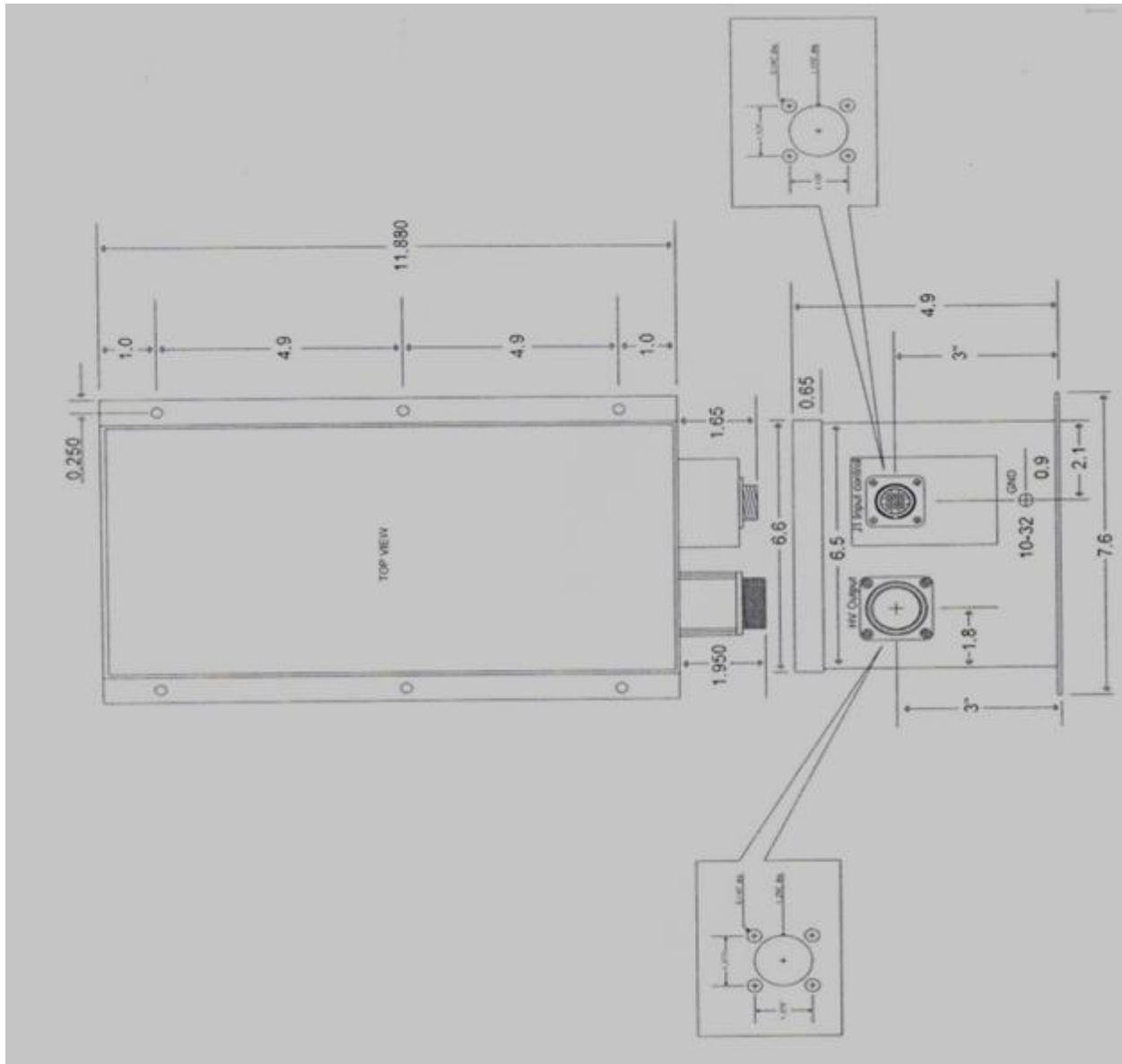
### Connected to MicroFocus Digital Controller



High Voltage Cable length can be modified based on Customer requirement and needs to be defined at the time of purchase order.

## OUTLINE DRAWING

Drawing# & Version	DW- MFX-HMV-50-1
TruFocus P/N	MFX-HMV-50-1
Unit	In



# Caution

## **X-Ray Radiation**



1. X-Ray radiation is harmful to the human body. It is necessary to take all safety precautions when operating this device.
2. The x-ray tube should be installed in an x-ray shielded cabinet to avoid exposure. It is recommended that the safety interlock system be used at all times.
3. It is the customer's responsibility to provide shielding for the use of this device.

## **Warranty Information**

This x-ray tube is warranted to be free of defects in materials and workmanship for a period of 365 days (1 year). This warranty is limited to repair or replacement of defective products only. This warranty replacement cost to customer shall be prorated over the duration of the warranty period. The warranty period commences on the date of installation, but no later than 30 days from the date of shipment from TruFocus to the customer. Any loss, damage, failure and/or malfunction relating in any way to accident, abuse, alteration, misuse, neglect, fitting, disassembly, attempted repair, storage, adjustments of the electronics, or failure to use the tube within the specifications or operating instructions provided by TruFocus, or the lack of proper routine maintenance and care of the tube or system in which it is installed are expressly denied coverage under this warranty.

Subject to local and technical requirements and regulations. Availability of product in this promotional material may vary. Please consult with our office staff for availability.

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