Portable X-Ray

Power Supply

Series Features:

- Voltage & current programming
- Voltage & current monitoring
- Excellent load & line regulation
- · Fully Shielded
- · Low EMI

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•	Low	ripp	ıe

· Light weight



Electrical Ratings

Part Number	V_{MAX}	I _{MAX}	
	kV	μΑ	
XRS040N100	-40	100	

Environmental:

- Storage: -25°C to +85°C
- Operating: 0°C to 50°C

XRS Series

The XRS Series power supplies provide up to 4 watts of output power up to -40kV max. The outputs are fully adjustable over the specified operating range. Rugged and light weight, the XRS series brings you the features you need with the proven reliability and quality built into all VMI's products.

Call VMI sales today to discuss your high voltage X-Ray power supply requirements. From standard innovation to custom solutions, VMI is your best choice.

Specifications

Input Voltage:

• 7 - 12VDC

Reverse Polarity Protection:

Series Diode

Max Power Output:

4 Watts

Output Voltage Range:

• -10kVDC to -40kVDC

Output Current:

• 0 to 100uA

Interface Signals:

- Output Voltage Control
- Output Voltage MonitorOutput Current Control
- Output Current Monitor
- Enable

Filament Voltage:

• 2Vrms nominal

Filament Current:

• 300mA Max.

Output Ripple Voltage:

<1% peak to peak

Load Regulation:

• 1% for NL to FL change

Line Regulation:

• 1% over input range

0-4V = 0-100%

0-4V = 0-100%

0-4V = 0-100%

0-4V = 0-100%

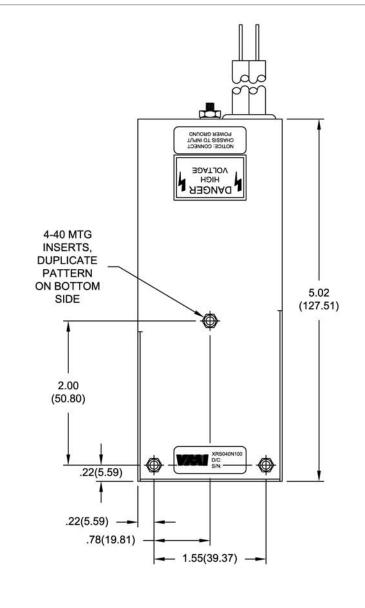
+5VDC = ON, <1VDC = OFF

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XRS Series

XRS040N100

EATURES/SPECIFICATIONS



J102				
PIN#	FUNCTION			
1	10V Input			
2	10V Input			
3	GND			
4	GND			
5	Current Control			
6	HV Control			
7	FIL Ready			
8	HV Enable			
9	HV Monitor			
10	Current Monitor			

9070001	.80
J102	(20.32
2.00	-

Dimensions: In. (mm) • Data subject to change without notice.

1.559.651.1402

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