BEIJING ENERGY

High Voltage Module
HVC Series

High Voltage Module for The Nuclear Detection Field

Model: HVC19P16VF-JXV, HVC24NR12R2-JX.

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Naming Rule

HVC 24 P 24 R 2 – – JX

Series Code

HVC— Only for Nuclear Detection Field

The Highest Output Voltage

XX———100*XX

Output Polarity

P-Positive N-Negative

The Best Input Operating Voltage

07———7v

12———12V

B12——±12V

15———15V

B15——±15V

24———24V

90———90V

Control Mode

R——Resistance and Voltage Both Control V——Voltage Control

Level and operating Temperature Range

C———	Civil Level	0 ℃to+50 ℃
I———	Industry Level	-20 ℃to+85 ℃
J———	Military Level	-55 ℃to+125 ℃
JX———	Special Military Level	-55 ℃to+150 ℃
JXV———	Super Special Military Level	-55 ℃to+175 ℃
JS———	Aerospace Level	-55 ℃to+200 ℃
JSV———	Super Aerospace Level	-55 ℃to+225 ℃

Internal Technology and Packaging Code

1——Φ22*84 Standard	1A——Φ22*40 Line on One End
1B——Φ22*50	1C——Φ22*45
2——Φ18*84 Standard	2 (R)——Φ18*84 Line on Both End and Ear Install
3——Φ23*50 Line on One End	3A——Φ23*45 Line on One End
3B——Φ23*40 Line on One End	
4——Φ25.5*58 Line on One End	
5——Φ16*84 Standard	5 (R) ——Φ16*88 Line on Both End and Ear Install
6——Φ15*100 Standard	6 (R) ——Φ15*100 Line on Both End and Ear Install
F——25*50 Plane	

LEAD

Input: Red line: Input power positive end. (Yellow line: Input power negative end.)
Black line: Input power ground wire. Green line: Output voltage control end.
Output: White line: High voltage (HV end).
Notice: Input power ground wire and output ground wire share -Black Line! (GND end).

Main Technical Parameters

1.Operating temperature range: Max.: -55℃~+225℃.
2.Input voltage: +10V ~ +33V (±10 ~±16.5V).
3.Input current: 13mA@1600V with 22M load (24V IN).
50mA@2400V with 7M load (24V IN).
4.Output voltage: 0V ~ -2400V (+500 ~ +2000V).
5.Output current: 500μA.
6.Temperature stability: Max.: ±40PPM/℃,
Typ.: ±20PPM/℃.
7.Line regulation: ±0.1%(10% linear change).
8.Load regulation: ±0.05(50% load change).
9.Output ripple: 1.0Vp-p, Typ.: 200mVp-p.
Positive: 100mVp-p, Typ.: 50mVp-p.
(With recommend filter: 2mVp-p, Typ.: 0.5mVp-p.)
10.Shock resistance: 25G, 0~300Hz.

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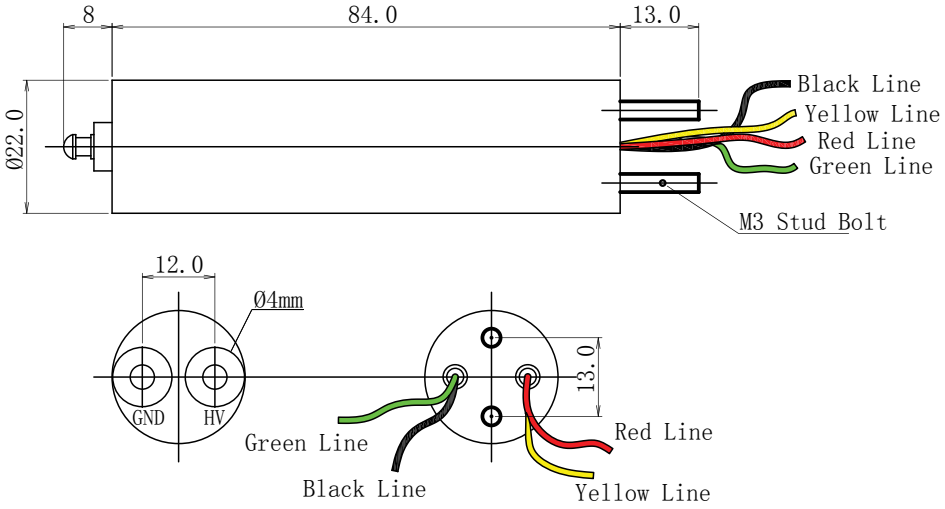
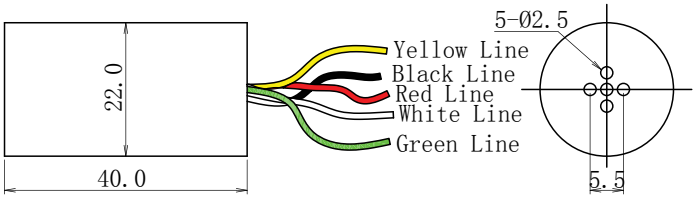
SIZE

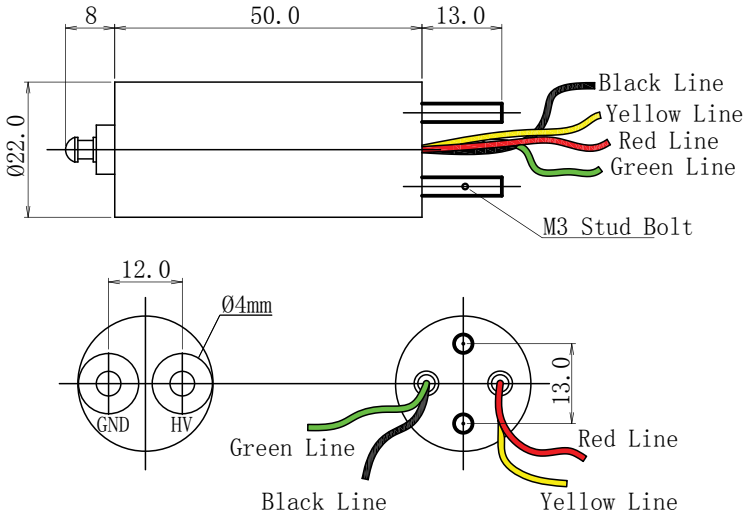
Packaging---1



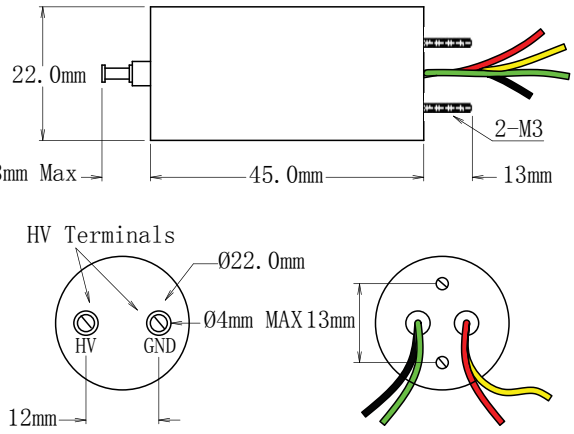
Packaging---1A



Packaging---1B



Packaging---1C



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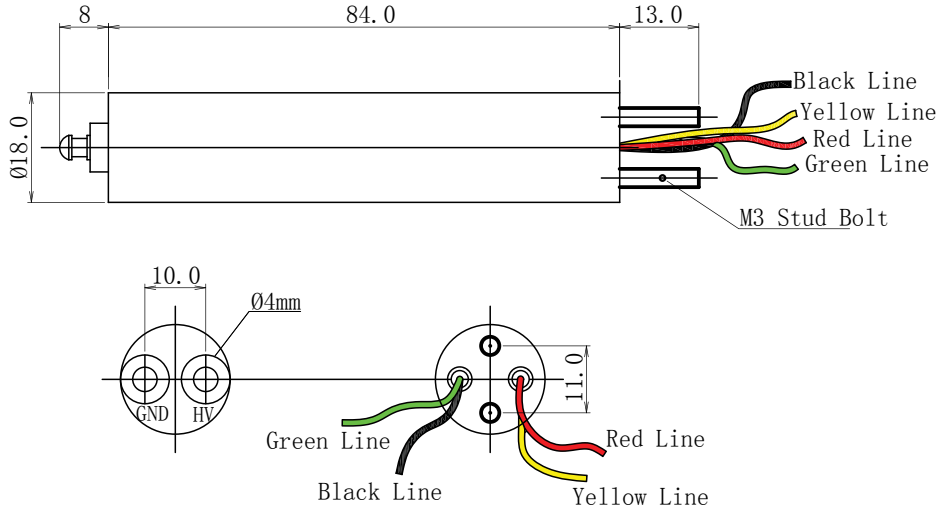
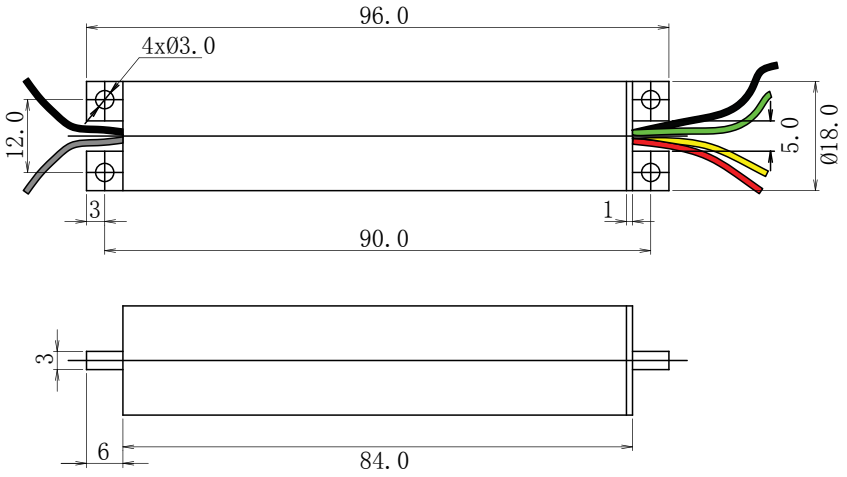
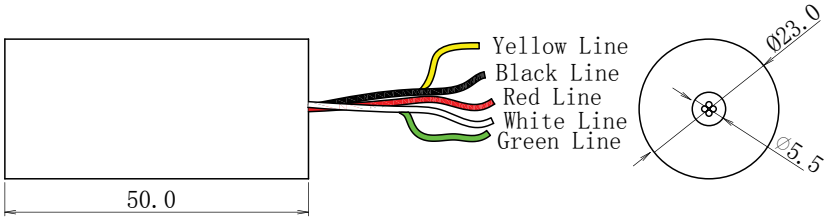
Packaging---2



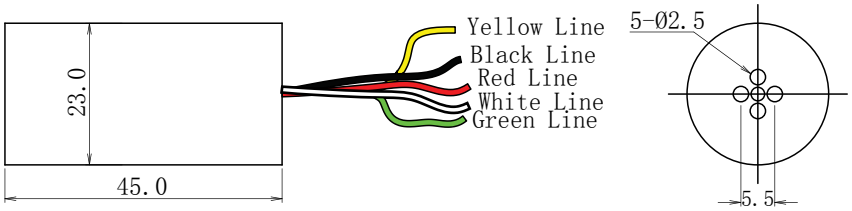
Packaging---2 (R)



Packaging---3



Packaging---3A



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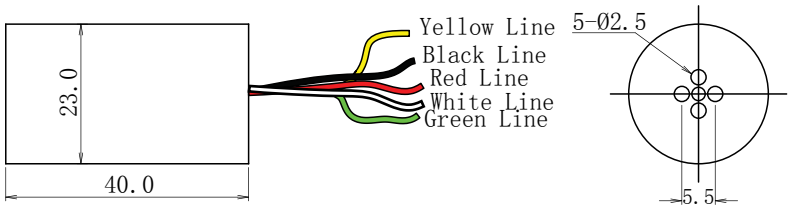
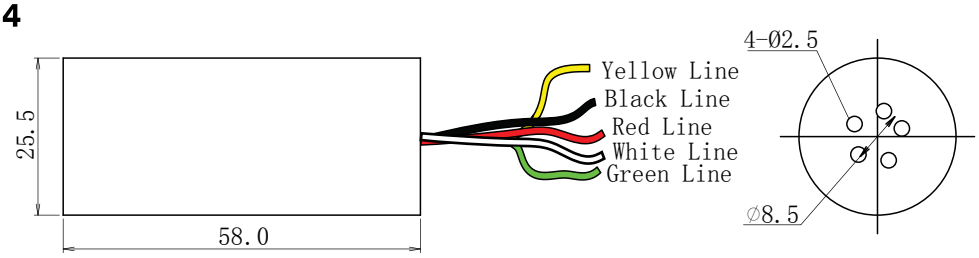
High Voltage Module HVC Series

Packaging---3B



Packaging---4



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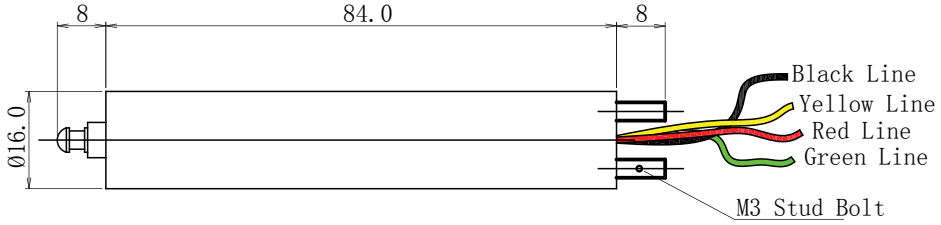
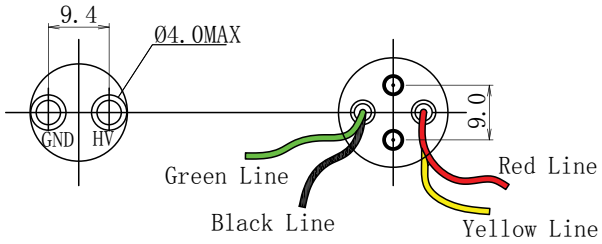
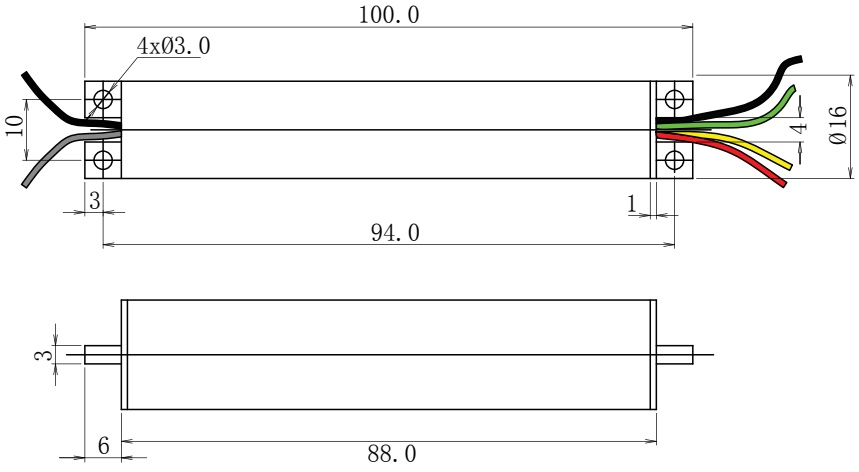




Packaging---5 (R)



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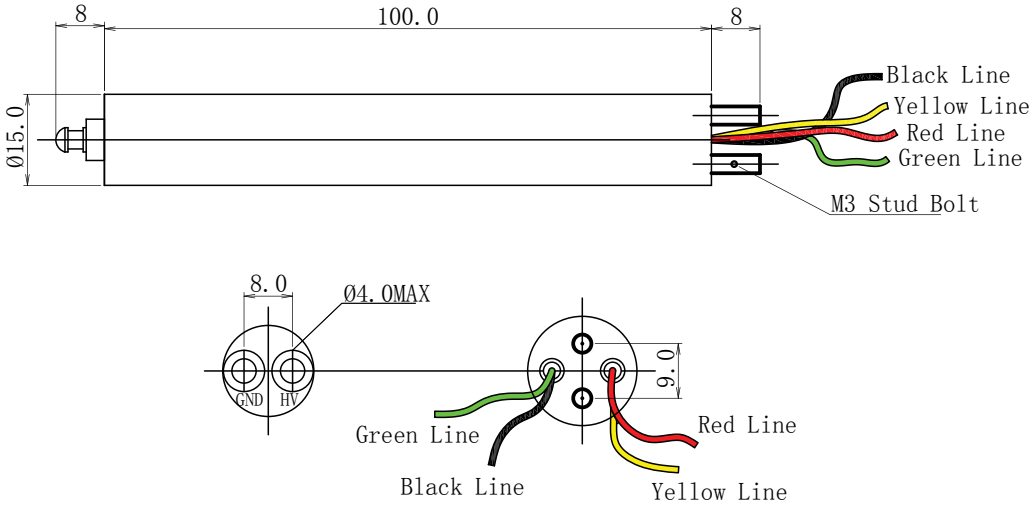
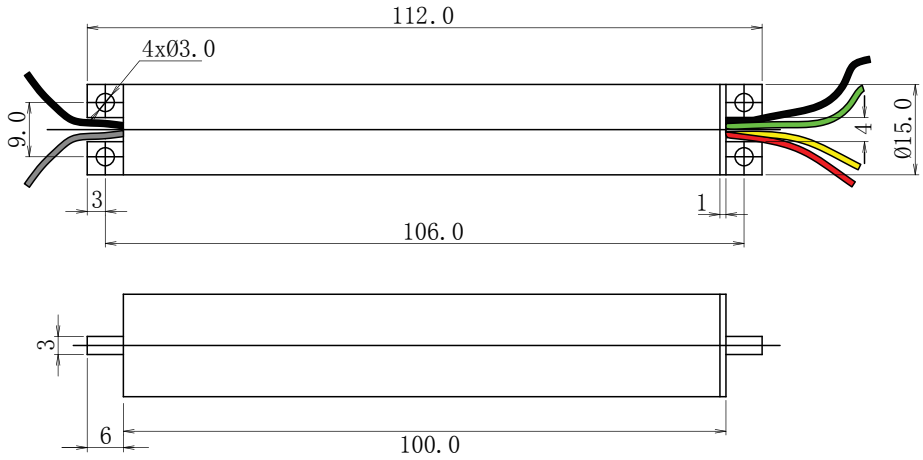
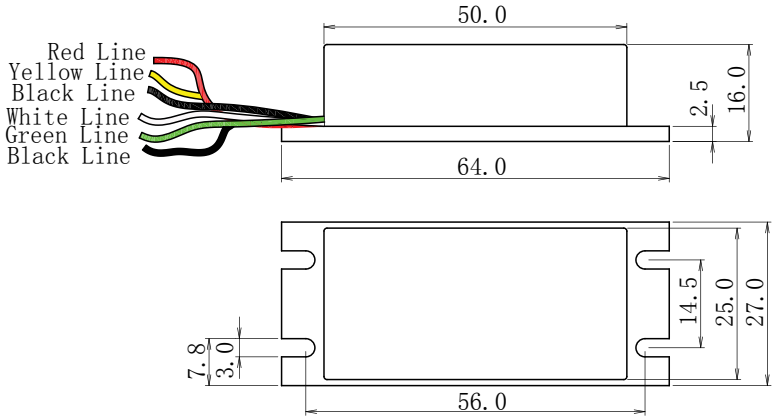
Packaging---6



Packaging---6 (R)



Packaging---F



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