

J Series

Voltage Selecting and Fused Connector with Optional RFI Power Line Filter for General Purpose Applications or UL544 Health Care Equipment



**UL Recognized
CSA Certified**

J Series

The most widely accepted of all the power entry modules, the J series combines an IEC connector, 2-voltage, or 4-voltage selection, and a North American fuseholder. It features a compact snap-in design and a unique voltage selector card.

J4 Models - This general purpose filter provides susceptibility protection from line-to-ground noise on the power line and acts as a high frequency “clean-up” filter for more complex emissions applications.

HJ4 Models - This medical filter provides susceptibility protection without the leakage current associated with line-to-ground capacitors. Designed to allow equipment to meet UL544 medical specifications for patient care and nonpatient care equipment, the HJ filter has a maximum leakage current of 2 μ A at 120 VAC 60 Hz. See Appendix C for more information on medical applications and UL standards.

Equipment rating labels and mounting clips for thicker panel widths are available as accessories.



6VJ1/6VJ1-2
Terminal View



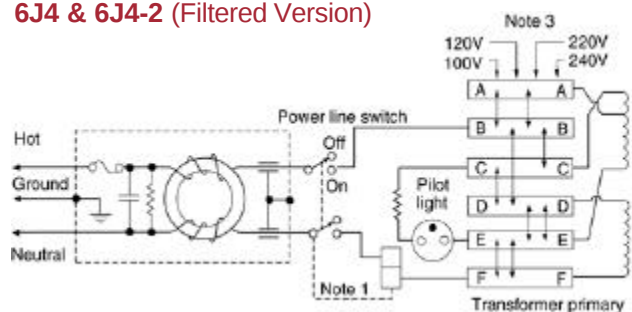
6J4/6J4-2
Terminal View



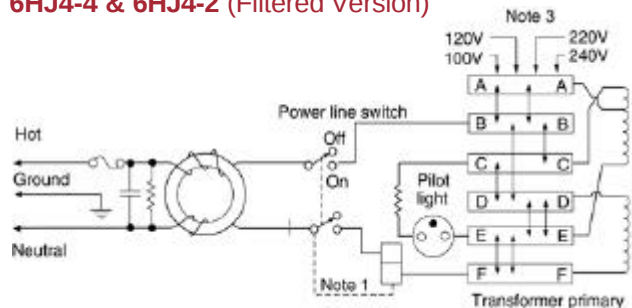
6HJ4-4/6HJ4-2
Terminal View

Electrical Schematics

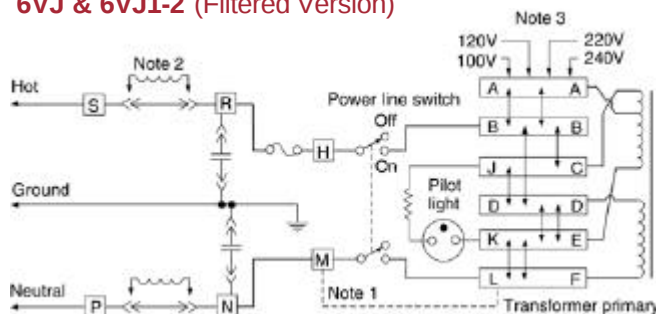
6J4 & 6J4-2 (Filtered Version)



6HJ4-4 & 6HJ4-2 (Filtered Version)



6VJ & 6VJ1-2 (Filtered Version)



Note 1: Jumper required if only SPST power switch is used.

Note 2: Jumpers required if no input filtering is used.

Note 3: Use only 120V and 240V positions for 2-volt selection units.

Specifications – Filtered Models

Hipot rating (one minute):
 line-to-ground 6J4/6J4-2 2250 VDC
 line-to-line 6HJ4-4/6HJ4-2 1450 VDC

Operating voltages: 6J4/6HJ4-4 100, 120, 220, 240 VAC
 6J4-2/6HJ4-2 115, 230 VAC

Operating frequency: 50/60 Hz

Rated current: 6A

Power connector: Meets UL/IEC requirements specs.
 per CEE Publication 22 Type VI

Fuse (not included): Integral fuseholder, line side,
 accepts .25" x 1.25" fuse

Terminals: Connector block terminals .045" square,
 suitable for soldering, wire
 wrapping, or crimp-on lugs

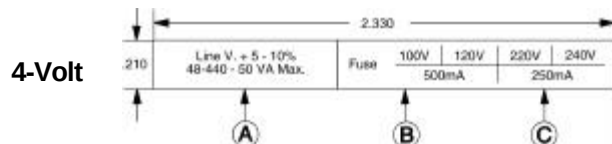
Net weight: 2.8 oz.

Minimum insertion loss in dB:
 Line-to-ground in 50 ohm circuit

Current Rating	Frequency-MHz						
	.15	.5	1	5	10	20	30
J4 Models							
6A	9	20	25	41	45	45	48
HJ4 Models							
6A	9	11	15	19	13	12	10

Equipment Rating Labels

Self-adhesive labels, as shown below, are available in multiples of 40. Specify Part Number.



Part Number	A VA Max.	B Fuse 100/120 (115)	C Fuse 220/240 (230)
JA410	25	250 mA	125 mA
JA411	50	500 mA	250 mA
JA412	100	1A	500 mA
JA413	200	2A	1A
JA414	250	2.5A	1.25A
JA415	300	3A	1.5A
JA416	400	4A	2A
JA417	500	5A	2.5A
JA418	600	6A	3A
JA419	Assortment		

Labels – 40 of one part number

Labels – 5 each of 8 part numbers for 4-volt

Specifications – Unfiltered Models

Hipot rating (one minute):
 line-to-ground 1550 VAC
 line-to-line 1450 VDC

Operating voltages: 6VJ1 100, 120, 220, 240 VAC
 6VJ1-2 115, 230 VAC

Operating frequency: 50/60 Hz

Rated current: 6A

Power connector: Meets UL/IEC requirements specs.
 per CEE Publication 22 Type VI

Fuse (not included): Integral fuseholder, line side,
 accepts .25" x 1.25" fuse

Terminals: Connector block terminals .045" square,
 suitable for soldering, wire
 wrapping, or crimp-on lugs

Net weight: 1.4 oz.

Accessories

Line Cord No. GA400:
 (7 1/2 foot, 3-conductor line cord to mate
 with J series)

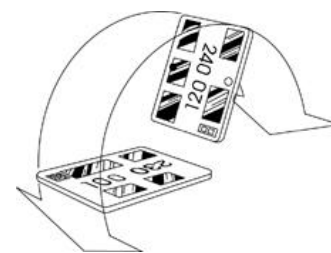
JA302, 2 Voltage Selector Card
 (comes standard with 6VJ1-2, 6J4-2, 6HJ4-2)

JA304, 4 Voltage Selector Card
 (comes standard with 6VJ1, 6J4, 6HJ4-4)

JA403, Mounting Clips for .105-.125" Panel

JA500, Voltage Selector Card Extractor Tool

Voltage Selection



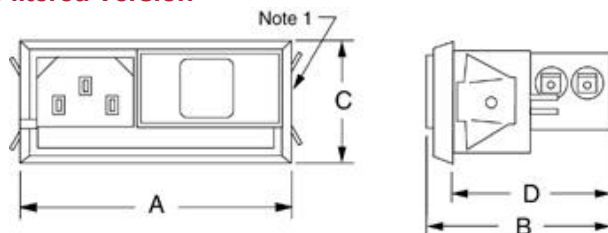
Open cover door and rotate fuse-pull lever to left.
 Select operating voltage by orienting voltage selection
 card, desired voltage on top left side. Push card firmly
 into module slot. Rotate fuse-pull lever back into
 normal position and re-insert fuse into holders. Use
 caution in selecting correct fuse value.

J Series

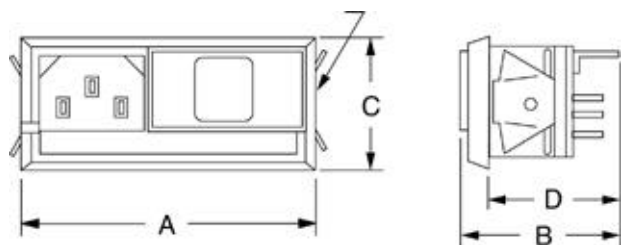
Case Styles

Metric shown in italics.

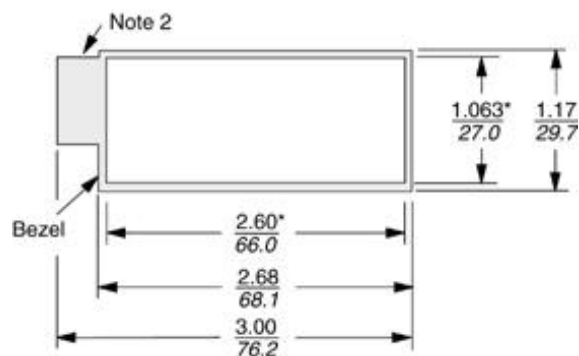
Filtered Version



Unfiltered Version



Recommended Panel Cutout Unfiltered and Filtered Version



Note 1: Fuse cover door shown in open condition.

Note 2: Standard units mount in panel thickness of .060 - .090." Special mounting clips sold separately for panel thicknesses of .105-.125." See Accessories List on next page.

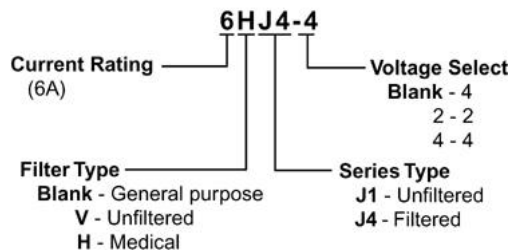
Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D (max)
6J4/6J4-2	2.75 69.9	1.87 47.5	1.17 29.7	1.58 40.1
6HJ4-4/6HJ4-2	2.75 69.9	1.87 47.5	1.17 29.7	1.58 40.1

Ordering Information

Consult your local Corcom sales representative for pricing.



Available Part Numbers

6J4	6HJ4-4
6J4-2	6HJ4-2