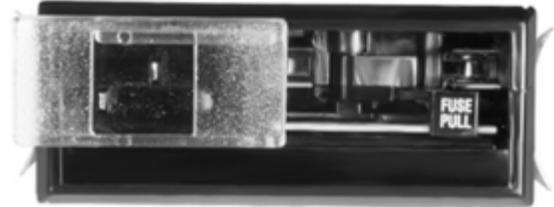


J Series



UL Recognized
CSA Certified



Front View, All Models

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 non-patient care equipment, the HJ filter has a maximum leakage current of 2µA 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.

UNFILTERED MODELS

| Part Number | Current Rating @120VAC (Amps) | Available Voltage Selection Position | Maximum Leakage Current Line-to-Ground @250 VAC | Fuseholder Type |
|-------------|-------------------------------|--------------------------------------|---|-----------------|
| 6VJ1 | 6 | 4 | 5 µA | North American |
| 6VJ1-2 | 6 | 2 | 5 µA | North American |

FILTERED MODELS

| Part Number | RFI Filter Type | Current Rating @120VAC (Amps) | Available Voltage Selection Position | Maximum Leakage Current Line-to-Ground @250 VAC | Fuseholder Type |
|-------------|------------------------------|-------------------------------|--------------------------------------|---|-----------------|
| 6J4 | General Purpose ¹ | 6 | 4 | 500 µA | North American |
| 6J4-2 | General Purpose ¹ | 6 | 2 | 500 µA | North American |
| 6HJ4-4 | Medical ² | 6 | 4 | 5 µA | North American |
| 6HJ4-2 | Medical ² | 6 | 2 | 5 µA | North American |

¹ General purpose filter for susceptibility applications.

² Medical line filter for very low leakage UL544 health care requirements.

Refer to page 97 for more information on available RFI Filter types.

J Series



6VJ1/6VJ1-2 Terminal View



6HJ4-4/6HJ4-2 Terminal View



6J4/6J4-2 Terminal View

Specifications – Unfiltered Models

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

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

Operating frequency: 50/60 Hz

Rated current: 6A

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

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

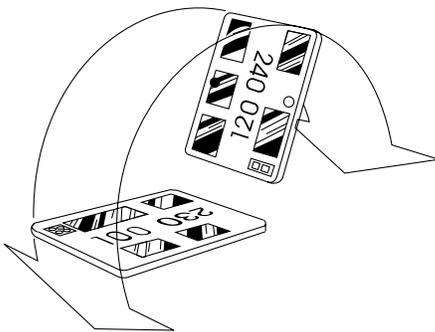
Rated current: 6A

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

Voltage Selection

Unfiltered and Filtered Models



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.

Minimum insertion loss in dB:

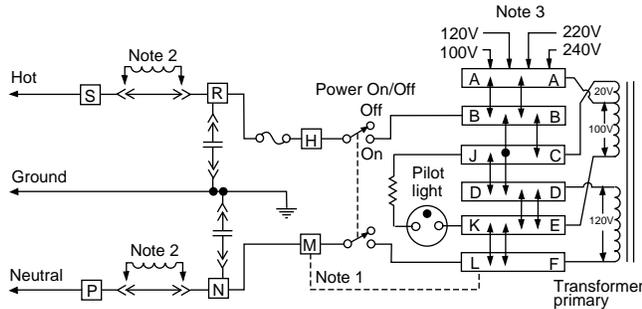
Line-to-ground in 50 ohm circuit

| 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 |

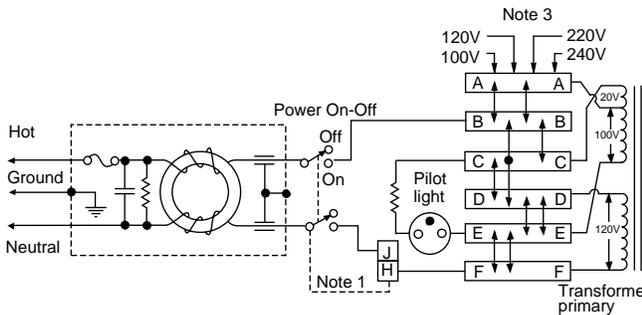
J Series

Electrical Schematics

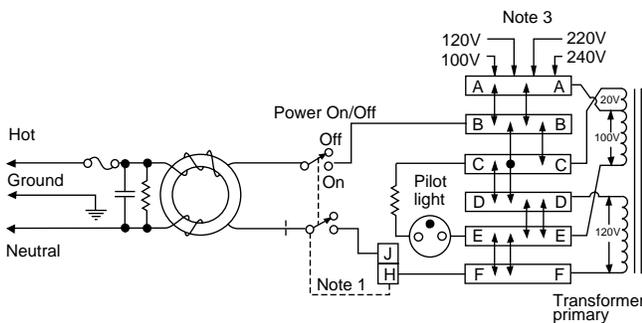
Unfiltered 6VJ & 6VJ1-2



Filtered 6J4 & 6J4-2



Filtered 6HJ4-4 & 6HJ4-2



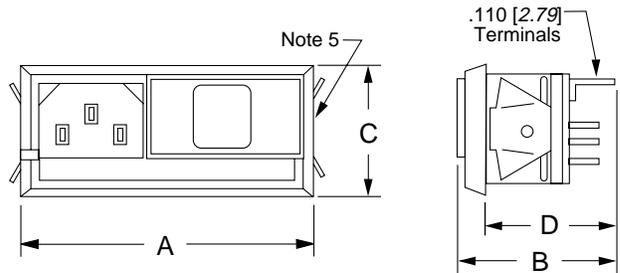
- Note 1: Jumper required if only SPST power switch is used.
- Note 2: Jumpers required if no input filtering is used.
- Note 3: Use only 120V and 240V positions for 2-volt selection units.

Case Dimensions

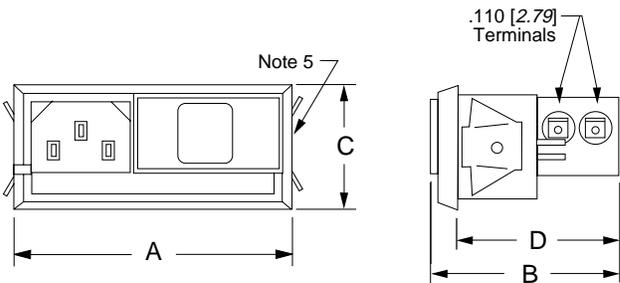
| Part No. | A (max) | B (max) | C (max) | D (max) |
|-------------------|-------------|-------------|-------------|-------------|
| Unfiltered | 2.68 | 1.52 | 1.17 | 1.23 |
| 6VJ1/6VJ1-2 | 68.1 | 38.6 | 29.7 | 31.2 |
| Filtered | 2.75 | 1.87 | 1.17 | 1.58 |
| 6J4/6J4-2 | 69.9 | 47.5 | 29.7 | 40.1 |
| 6HJ4-4/6HJ4-2 | 2.75 | 1.87 | 1.17 | 1.58 |
| | 69.9 | 47.5 | 29.7 | 40.1 |

Case Styles

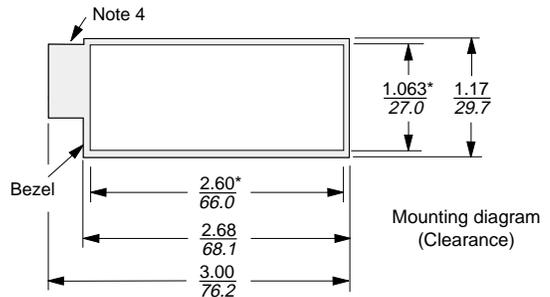
Unfiltered Models



Filtered Models



Recommended Panel Cutout Unfiltered and Filtered Models

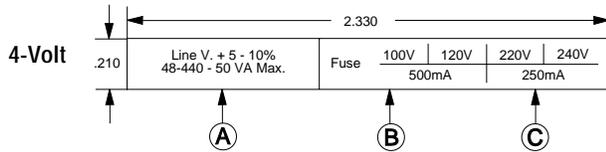


- Note 4: Fuse cover door shown in open condition.
- Note 5: Standard units mount in panel thickness of .060 - .090". Special mounting clips sold separately for panel thickness of .105-.125". See Accessories List on next page.

J Series

Equipment Rating Labels Unfiltered and Filtered Models

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 | 4 A | 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

Accessories Unfiltered and Filtered Models

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