

HP UV Fluorescent Red Print Cartridge*



*For authorized use only.

The HP C6120A UV Fluorescent Red print cartridge is the ideal solution for metering and franking applications that require high-security, postal authority approved red ink.



Features

HP designed this UV Fluorescent Red print cartridge to meet strict postal requirements for security-enhanced information on envelopes and other mail items.

UV fluorescent red, water-resistant ink and HP's thermal inkjet technology provide the high resolution needed to print complex two-dimensional bar codes and other postal evidencing techniques adopted by postal services around the world. To meet even higher postal digital security specifications, the ink contains ultraviolet (UV) dyes that are invisible to the human eye.

This print cartridge is designed to print 600 dots per inch in applications where high-quality output is required, and the ink takes less than one second to dry on porous media.

Non-contact, drop-on-demand inkjet technology ensures reliable, quiet printing. Integrated Driver Head (IDH) technology coordinates individual nozzles through a multiplexing scheme that fires all 300 nozzles through 52 interconnect pads.

The print cartridge can be snapped in and out for easy replacement.

The print cartridge has a thermal sense resistor, which measures temperature, and enables thermal management and burnout protection for the print head.

Benefits

HP's UV Fluorescent Red print cartridge:

- Produces permanent, crisp, consistent, red imprints on a variety of materials and surfaces.
- Meets strict postal requirements for security and enhanced information on metered mail items.
- Uses non-contact, drop-on-demand thermal inkjet technology to ensure quiet printing.
- Retains print quality at a lower cost and with less maintenance than other technologies.

Why choose HP?

HP is the worldwide leader in imaging and printing technologies. We bring our innovative, reliable, environmentally-friendly, and easy-to-use solutions to a variety of industrial markets. As pioneers of thermal inkjet printing, HP knows the technology inside and out.



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Frequently asked questions

Who are the intended users of the C6120A? Companies who design and manufacture metering and franking equipment with a requirement for high-security red ink.

What are the key advantages of this print cartridge?

- Provides high-quality printing on a variety of mail materials and surfaces.
- Ultraviolet dyes in the ink help manufacturers meet strict postal requirements for security and enhanced information on metered mail items.
- Easy replacement ensures print quality and lowers maintenance costs.
- Water-resistant UV fluorescent red ink prevents bleeding or streaking.
- Non-contact, drop-on-demand thermal inkjet technology ensures quiet printing.

What are the advantages of HP Thermal Inkjet (TIJ) Technology?

- Cost-effective. Requires no warm-up cycle and no downtime. When it's time to replace a print cartridge, replace only the one that's needed.
- Easy to use. No special training is required to operate and maintain thermal inkjet printers. The print cartridge design allows it to be snapped in and out for easy replacement.
- Fast. Hundreds of tiny nozzles firing at a high frequency allow high-quality printing at high speeds.
- Reliable. TIJ is less sensitive to air bubbles in the firing chamber than other printing technologies, avoiding print quality problems and delays caused by trapped air.
- Flexible. Supports a wide variety of media.
- High quality. TIJ places smaller drops more accurately, producing consistently superb image and text quality.
- Environmentally safe. With thermal inkjet, there is no need for service technicians qualified to handle volatile solvents, and no noxious fumes.
- Lower cost of ownership. A thermal inkjet printer can cost tens to hundreds of thousands of dollars less than other printing equipment, reducing the market entry cost.

Technical specifications

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| P/N | C6120A |
| Ink type | Red combination pigment- and dye-based aqueous ink |
| Resolution | 600 dpi |
| Nozzle count | 300 |
| Print swath | .5 in |
| Maximum firing frequency | 12 kHz |
| Avg. drop volume | 30 pl |
| Avg. delivered ink (ccs) | 40 ccs |
| Number of electrical interconnect pads | 52 |
| Operating conditions | 10 to 40° C, 10 to 80% RH |
| Shipping/storage conditions (in original packaging only) | 10 to 30° C, 5 to 80% RH Altitude: 0–5000 meters Orientation: nozzle up or side |

Contact information

To discuss inkjet technology OEM opportunities with HP:

- Go to www.hp.com/oeminkjet and send us an email message.
- Call 858-655-3524 and leave a voicemail message.
- Mail your inquiry to: Hewlett-Packard Company, Specialty Printing Systems, Mailstop 66-654, 16399 West Bernardo Drive, San Diego, CA 92127, USA.