

Best Selection



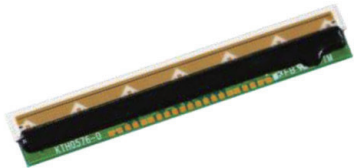
Original technology contributes to smaller, thinner, faster printers

Thermal Printheads Optimized for Portable/Mobile Printers



KR2002-D06N10A

Energy Efficient

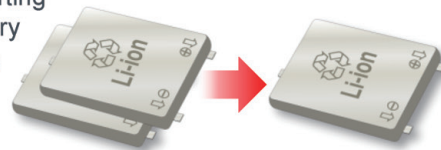


Print Speed: Standard

- Print supply voltage: 3.6

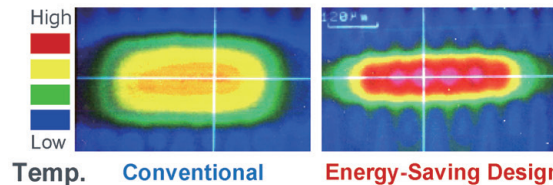
- Operation possible on a single li-ion battery cell

Heat generation enabled at 3.6V, supporting operation on just a single-cell li-ion battery
 ⇒ **Contributes to smaller, lighter sets**



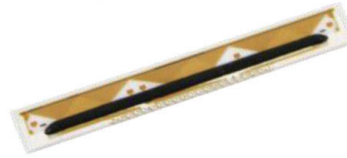
- Energy-saving performance with superior color development

The peak temperature of heat generation is increased by ensuring that the heat is concentrated at the heat elements. This results in superior color at less than half the power.



KA2002-FB20A

Compact • High Market Performance



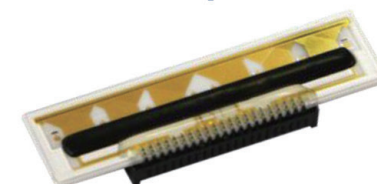
Print Speed: Standard

- Print supply voltage: 7.2V
- 2-cell li-ion battery drive
- Compact board contributes to set miniaturization



KD2002-D5JX20A

Short processing time



Print Speed: Fast

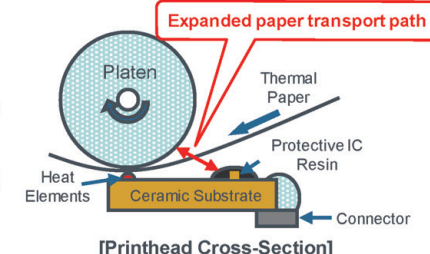
- Print supply voltage: 12V
- 4-cell li-ion battery drive

- Supports platen diameters up to 20mm

Expands the clearance between the heat elements and the IC's protective resin
 ⇒ **Supports poorly colored thermal paper, cardboard, and labels**

- 1.5x faster printing (vs 7.2V products)

Heat elements that generate heat in a short time
 ⇒ **Compatible with large print volume (i.e. coupons, sales receipts)**



■ Printheads for Portable/Mobile Printers



Applications

- Educational printers
- Home-school printers
- Pocket printers
- Label printers
- ...and more

Features

- Broad lineup
- Available sizes: 2-8 inches
- Supports high resolutions: 203dpi/300dpi
- Low Voltage Compatibility: 3.6V to 24V

■ Printhead Matrix for Portable/Mobile Printers

Resolution/Density	203dpi	300dpi
Print Type		
2 inch	✓	✓
3 inch	✓	✓*
4 inch	✓	✓
8 inch	✓	✓

*Please contact us separately.

Printhead Lineup for Mobile Printers

series	Part No.	Resolution/ Density (dpi)	Print Width (mm)	No. of Dots (dots)	Ave. Resistance (Ω)	Print Speed (mm/s)	Interface			Max Platen Diameter (mm)						
							Pitch (mm)	No. of Pins	Connector							
Energy Saving VH=3.6V	KR2002-D06N10A	203	48	384	80	100	1.25	21	No	8.0						
	KA2002-FB20A	203	48	384	176	100		21	No	8.0						
KA2002-B35N00A	28		Yes	14.0												
KA2003-B35N00A			21						No		8.0					
KA2002-BE13A								28	Yes	14.0						
KA2003-BE51A	21		No	8.0												
KA2004-BE51A			28					Yes	14.0							
Standard VH=7.2V	KA3002-B05N00A	300		48.8	576	210		75		1.25	21	No	8.0			
	KD3004-BE72A	108.4	1280	Yes	14.0											
	High Speed VH=12V	KA2002-D35N20A	203	48	384				210			100	1.25	21	Yes	14.0
		KA2003-D35N20A		72	576											
		KD2002-D3JX20A		48	384											
		KD2003-D3JX20A		72	576											
Wide VH=24V	KD2002-D5JX20A	203	56	448	210	150	1.25	28	Yes	20.0						
	KD2003-D5JX20A		80	640												
	KD2004-D5JX20A		104	832												
	KD2008-CF10A		203	216							1728	1000	100	15×2	Yes	20.0
	KD3008-CF10A	300	219.5	2592	1250	75	15×2	Yes	20.0							

ROHM's broad lineup supports a variety of requirements, including print density, print width, and interface. For models not in the lineup, please feel free to contact a ROHM sales office.

The content specified in this document is correct as of April 1st, 2020.



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