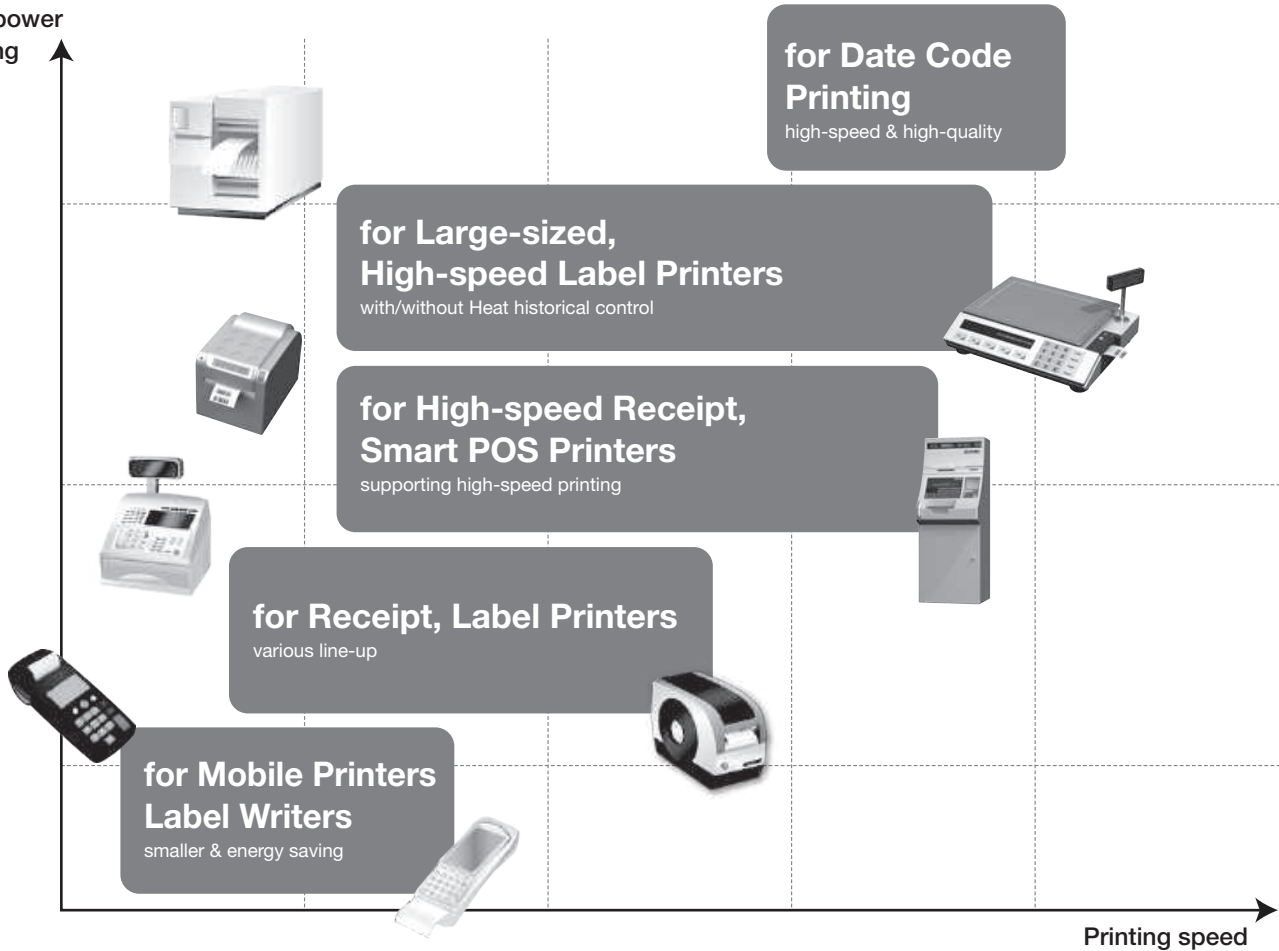


## Selection guide

High power printing ↑



We have various line-up to response the customer requests. Please feel free to contact ROHM sales representative for further details if the product you are looking for is not listed.

## Part No. Configuration

Totally 13 digit

**K D 2 0 0 4 - D 1 F W 0 0 A**

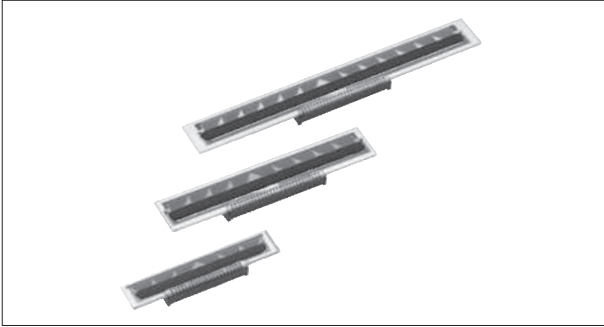
Structure of TPH Ex.)	Resolution Ex.)	Print Width Ex.)	Option Ex.)	Discrimination Number
<b>KA/KR</b> Flat structure, Full glaze	<b>10</b> 100dpi	<b>01</b> 1inch	<b>DA</b> Both side type connectors with Heatsink	
<b>KD</b> Flat structure, Partial glaze	<b>15</b> 150dpi	<b>02</b> 2inch	<b>D1</b> Both side type connectors without Heatsink	
<b>SH</b> Near-edge structure, Partial glaze	<b>18</b> 180dpi	<b>03</b> 3inch	etc.	
etc.	<b>20</b> 203dpi	<b>04</b> 4inch		
	<b>30</b> 300dpi	<b>05</b> 5inch		
	<b>36</b> 360dpi	<b>06</b> 6inch		
	<b>60</b> 600dpi	<b>08</b> 8inch		
	etc.	<b>10</b> 10inch		

Totally 11 digit

**K D 2 0 0 4 - D F 1 0 A**

Structure of TPH Ex.)	Resolution Ex.)	Print Width Ex.)	Option Ex.)	Discrimination Number
<b>KA/KR</b> Flat structure, Full glaze	<b>10</b> 100dpi	<b>01</b> 1inch	<b>DF</b> Both side type connectors with Heatsink	
<b>KD</b> Flat structure, Partial glaze	<b>15</b> 150dpi	<b>02</b> 2inch	<b>DG</b> Center type connector with Heatsink	
<b>SH</b> Near-edge structure, Partial glaze	<b>18</b> 180dpi	<b>03</b> 3inch	etc.	
etc.	<b>20</b> 203dpi	<b>04</b> 4inch		
	<b>30</b> 300dpi	<b>05</b> 5inch		
	<b>36</b> 360dpi	<b>06</b> 6inch		
	<b>60</b> 600dpi	<b>08</b> 8inch		
	etc.	<b>10</b> 10inch		

## For Mobile Printers series



### ■ Features

In addition to the 7.2V drive industry standard type that matches Li-ion battery drive, the lineup includes a 3.6V drive energy saving type and a 12V drive high-speed printing type. A thermal print head that supports a variety of sets.

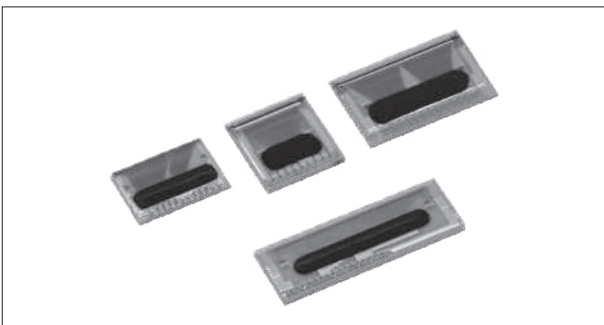
### ■ Applications

It is ideal for mobile printers with low voltage and strict current capacity restrictions, EFT-POS terminals with high demands for small size and energy savings, receipt printers, and small label printers.

For Mobile Printers series											
Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage <sub>ae</sub> (V <sub>cc</sub> )	Connector type	Abrasion life (km)	Pulse life (million pulses)
KR2002-D06N10A	203	48	384	80	8	100	4.2	2.70 to 5.25	-	50	100
KR2002-D06N1BA											
KA2002-B05B70A											
KA2002-FB20A											
KA2002-B35N00A											
KA2003-B35N00A				176	72	576					
KA2002-BE13A					48	384					
KA2003-BE51A					72	576					
KA2004-BE51A					104	832					
KA2004-D35N90A											
KA3002-B05N00A	300	48.8	576	210	8	75	12	Flat Cable			
KA2002-D05N20A	203	48	384		14	100			-		
KA2003-D05N20A		72	576								
KD2002-D0JB21A		48	384								
KD2003-D0JB21A		72	576								
KD2002-D0JB20A		56	448								
KD2003-D0JB20A		80	640		20	150					
KD2004-D0JB20A		104	832								
KA2002-D35N20A		48	384								
KA2003-D35N20A		72	576								
KD2002-D3JX20A		48	384	14			100				
KD2002-D5JX20A	56	448									
KD2003-D3JX20A	72	576									
KD2003-D5JX20A	80	640									
KD2004-D5JX20A	104	832	20		150						
			14								
			20								

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For Label writers series



### ■ Features

ROHM's unique structure contributes to making printers smaller and lighter. A thick film structure with high contactability to the label, high corrosion resistance and excellent reliability, and a heat generating structure with excellent energy efficiency.

### ■ Applications

Ideal for label writers that issue labels for organizing and wrapping.

For Label writers series											
Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage <sub>ae</sub> (V <sub>cc</sub> )	Connector type	Abrasion life (km)	Pulse life (million pulses)
KL0643-BB11A	180	9.024	64	281	14	50	7.2	2.70 to 5.25	-	30	50
KL2000-E0KN60A	203	12	96	142							
KL1801-DB92A	180	18.048	128	400							
KA2001-B05N30A	203	24	192	123							

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For Receipt, Label Printers series



CF/CA series

### ■ Features

Adopting a heating element structure optimal for various printing speeds and media achieves both printing quality and energy saving. A thermal print head that supports high-level control by supporting a high-frequency clock.

### ■ Applications

It is ideal for POS terminals used in a wide range of fields, receipt printing for ATMs, label printers, slot machines and lottery printers.



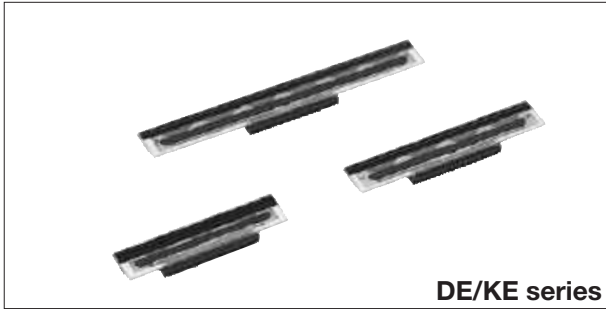
CG/LE series

### For Receipt, Label Printers series

Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (V <sub>cc</sub> )	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)	
KD2002-CAFW00A	203	54	432	800	14	150	24	3.13 to 5.25	Wire Cable	YES	150	100	
KD2003-CAFW00A		72	576										
KD2004-CAGW00A		108	864										
KD2002-CG11A		54	432		20	150			Flat Cable				
KD2003-CG11A		72	576										
KD2004-CG11A		108	864										
KD2008-CF10A	300	216	1,728	1,000	20	100	24	3.13 to 5.25	Wire Cable	YES	50	50	
KD2008-CF16A		216	1,728	800		125					100		
KD3008-CF10A		219.542	2,592	1,250		100					150	50	50
KD2008-CG50A		216	1,728	800		12					200	4.75 to 5.25	Flat Cable
KD2003-LOGBA0A	203	72	576	1,000	20	125	3.15 to 5.25	—	NO	150	100		
KD3003-LEGW00A	300	73.18	864					Flat Cable	YES				

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For High-speed Receipt, Smart POS Printers series



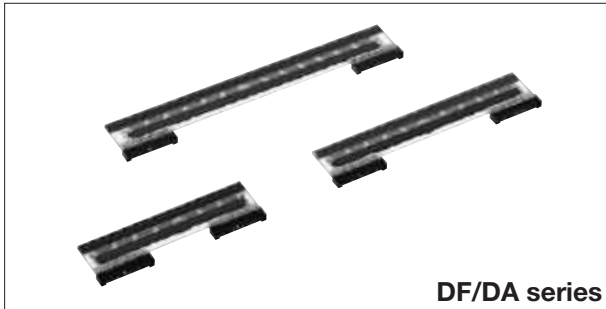
DE/KE series

### ■Features

By adopting a unique heating element structure that supports high-speed printing, clear print quality can be obtained even at high-speed printing. This series achieves high-quality printing on various media.

### ■Applications

Ideal for Smart POS printers that support high-speed printing, ECR printers, and small label printers such as cardboard labels.

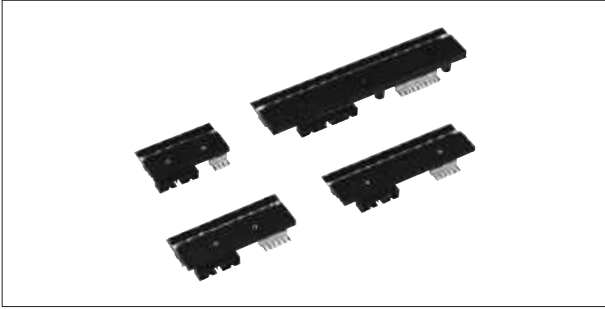


DF/DA series

For High-speed Receipt, Smart POS Printers series												
Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (%)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (Vcc)	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)
KD2002-DAFW00A	203	56	448	650	20	250	24	3.13 to 5.25	Wire Cable	YES	150	100
KD2003-DAFW00A		80	640									
KD2004-DAFW00A		104	832									
KD3002-DF10A	300	54.208	640	1,000	18	200						
KD3002-DF11A												
KD3003-DF10A		81.312	960									
KD3003-DF11A												
KD3004-DF11A								108.416	1,280			
KD3008-DF54A	216.832	2,560	660	25	100	4.75 to 5.25		150				
KD2002-DEFW00A	203	56	448	650	20	250		3.13 to 5.25	Flat Cable	NO	100	
KD2003-DEFW00A		80	640									
KD2004-DEFW00A		104	832									
KD3003-K5FW00A	300	81.312	960	1,000	18	200						
KD3003-KEFW00A												
KD2004-DEGW00A	203	104	832	650	20	225	4.75 to 5.25				Wire Cable	YES
KD2004-DAGW00A		144	1,152					800	125			
KD2005-UAGX00A												
KD3004-KAGW00A	300	108.416	1,280	1,000	18	75		3.13 to 5.25		150		

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For Large-sized, High-speed Label Printers series



### ■ Features

This series responds to the high reliability required for industrial equipment by applying a heating element structure that supports high-speed printing, a highly durable protective film, and a structure that supports large currents.

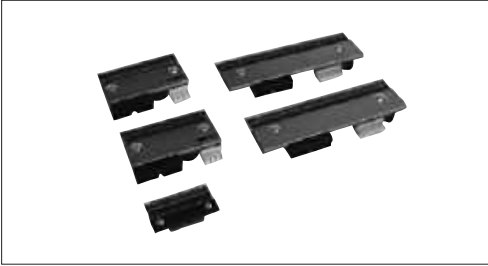
### ■ Applications

It is ideal for ticket machines, label printers, and food measuring instruments that are used outdoors or issue tickets continuously.

For Large-sized, High-speed Label Printers series													
Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (V <sub>cc</sub> )	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)	
KD2002-DC92A	203	56	448	550	20	150	24	4.75 to 5.25	Wire Cable	YES	150	100	
KD2003-DC92A		80	640										
KD2004-DC92A		104	832										
KD2006-DC92A		168	1,344										
KD3002-DC92A	300	54.208	640	1,250		100							
KD3003-DC92A		81.312	960										
KD3004-DC92A		108.416	1,280										
KD3006-DC92A		162.624	1,920										
KD2002-TQFW00A	203	56	448	550		250	24	3.13 to 5.25					
KD2003-TQFW00A		80	640										
KD2004-TQFW00A		104	832										
KD2006-TQFW00A		168	1,344										
KD3002-TQFW00A	300	54.2	640	850									300
KD3003-TQFW00A		81.3	960										
KD3004-TQFW00A		108.4	1,280										
KD3006-TQFW00A		162.6	1,920										
SH2002-DC90A	203	56	448	550	300								
SH2004-DC90A		104	832										
SH3002-DC90A	300	54.2	640	850									
SH3004-DC90A		108.4	1,280										

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For Large-sized, High-speed Label Printers with The Heat historical control



### ■Features

These thermal printheads are ideal for barcode label printers for industrial equipment that require high print quality. This series can control the heat generation time of each heating element from the heat generation history.

### ■Applications

Ideal for barcode label printers used in assembly lines and distribution centers in factories that require 24-hour operation and continuous printing for a long time.

### For Large-sized, High-speed Label Printers with The Heat historical control

Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (Vcc)	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)							
KD2002-DC72A	203	56	448	550	20	250	24	4.75 to 5.25	Wire Cable	YES	150	100							
KD2003-DC72A		80	640																
KD2004-DC72A		104	832																
KD2006-DC72A		168	1,344																
KD3002-DC72A	300	54.208	640	1,250		200							24	3.13 to 5.25					
KD3003-DC72A		81.312	960																
KD3004-DC72A		108.416	1,280																
KD3006-DC72A		162.624	1,920																
KD2002-RQFW00A	203	56	448	550		20	300	24							3.13 to 5.25	Wire Cable	YES	150	100
KD2003-RQFW00A		80	640																
KD2004-RQFW00A		104	832																
KD2006-RQFW00A		168	1,344																
KD3002-RQFW00A	300	54.2	640	850	20		300		24	3.13 to 5.25	Wire Cable	YES	150	100					
KD3003-RQFW00A		81.3	960																
KD3004-RQFW00A		108.4	1,280																
KD3006-RQFW00A		162.6	1,920																

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For Date Code Printing



### ■Features

This thermal printhead is capable of high-speed printing and high-quality image quality even using a resin-based ink ribbon with excellent scratch resistance, which is considered difficult for high-speed printing.

### ■Applications

It contributes to improving productivity at food processing sites and logistics sites, including electronic tags used in logistics management and unmanned cash registers, environmentally friendly packaging materials and date code information required for complex logistics management.

### For Date Code Printing

Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (Vcc)	Connector type	Heat sink
<b>New</b> TH3001-2P1W00A	305	31.987	384	570	50	1,000	24	4.75 to 5.25	Wire Cable	YES
<b>New</b> TH3002-2P1W00A	305	53.312	640	570	50	1,000	24	4.75 to 5.25	Wire Cable	YES

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.

## For Facsimiles



### ■Features

This thermal printhead is suitable for A4 facsimile. The basic structure and performance that contribute to making printers smaller and lighter have long been supported as an industry standard.

### ■Applications

Widely used in facsimiles for home use and business use. It is also ideal for medical equipment such as electrocardiograms because of the cleanliness that no traces of dust are produced in the air.

### For Facsimiles

Part No.	Resolutions (dpi)	Print Width (mm)	Number of dot (dots)	Resistance variation (Ω)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (Vcc)	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)
KA2008-AF10A	203	218	1,728	3,000	14	12.5	24	3.13 to 5.25	Wire Cable	Yes	30	30

We can also develop a thermal printhead per customized specifications. Please contact a ROHM sales representative for further details.