

By Category PDF

Category Thermal Printheads

Modules

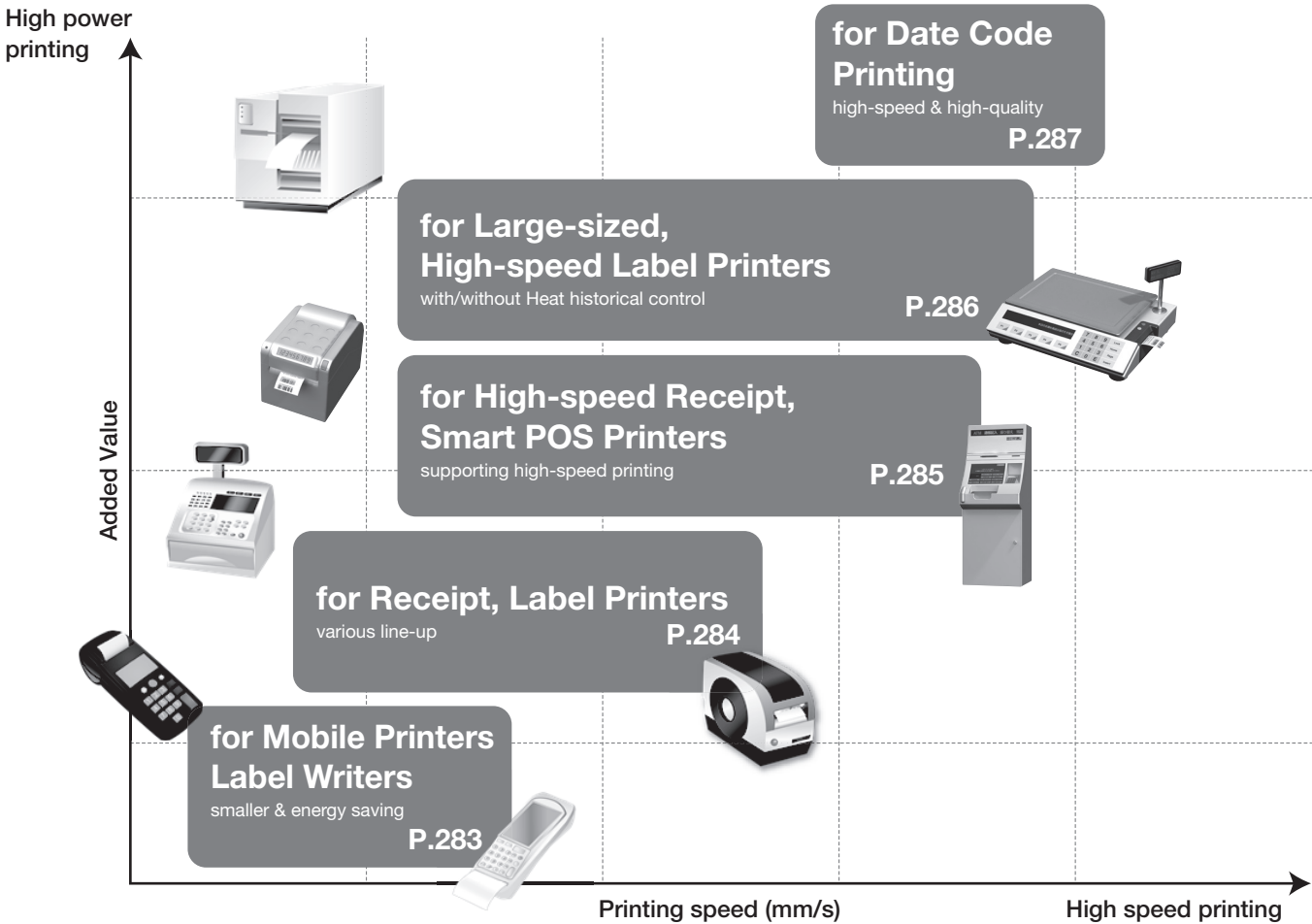
Thermal Printheads

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Thermal Printheads			
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Selection guide



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

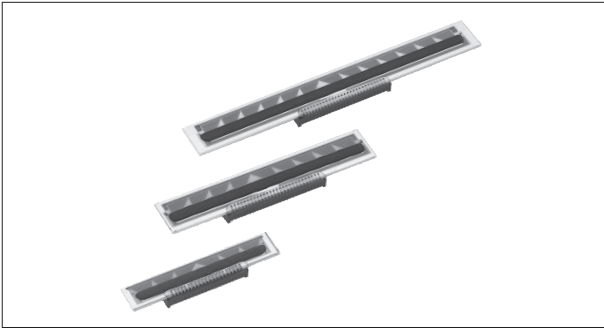
Structure of TPH Ex.)	Resolution Ex.)	Print Width Ex.)	Option Ex.)	Discrimination Number
KA/ KR Flat structure, Full glaze	10 100dpi 15 150dpi 18 180dpi	01 1inch 02 2inch 03 3inch 04 4inch	DA Both side type connectors with Heatsink D1 Both side type connectors without Heatsink etc.	
KD Flat structure,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

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

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 4.2V drive energy saving type and a 12V drive high-speed printing type. A thermal print head that supports a variety of sets.

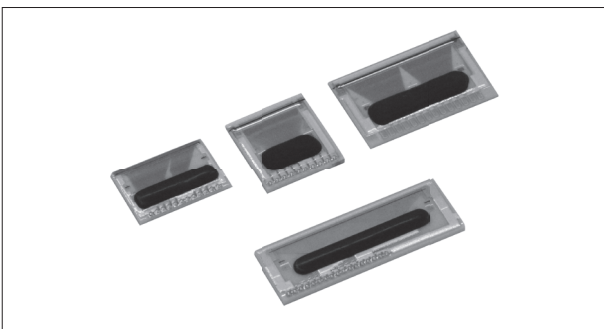
■ Applications

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 (V _{cc})	Connector type	Abrasion life (km)	Pulse life (million pulses)
KR2002-D06B71A	203	48	384	80	8	100	4.2	2.70 to 5.25	-	50	100
KR3002-B06N1BA	300	48.787	576			50					
KA2002-B05B70A	203	48	384	176	14	100	7.2	2.70 to 5.25	Flat Cable	50	100
KA2002-H05N00A									-		
KA2002-B35N00A		-									
KA2003-B35N00A		Flat Cable									
KA2003-H05N20A		72	576			8	-				
KA2004-D35N90A		104	832			14	-				
KA2004-H05N20A		8	-			14	-				
KA3002-B05N00A		300	48.787			576	210	14	75	3.3 to 5.25	-
KA3003-H05N20A	73.181		864								
KA3004-303N00A	108.416	1280	14	100	3.3 to 5.25						
KD2002-G0JB10A	203	48	384	395	14	150	12	2.70 to 5.25	-	50	
KA3008-C03N10A	300	219.542	2592			100	14				100

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 (V _{cc})	Connector type	Abrasion life (km)	Pulse life (million pulses)
KL0643-BB11A	180	9.024	64	281	14	50	7.2	3.00 to 5.25	-	30	100
KL2000-E0KN60A	203	12	96	142	17			2.70 to 5.25		50	
KL1801-DB92A	180	18.048	128	400	14			4.75 to 5.25		30	
KA2001-B05N30	203	24	192	123	14			2.70 to 5.25		50	

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

For Receipt, Label Printers 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.



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 _{cc})	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							NO		
New KD2004-C1GW00A		108	864						NO			
KD2002-LEFW00A		54	432						Flat Cable			
KD2003-CG11A		72	576									
KD2004-CG11A		108	864									
KD2008-CF10A	300	219.542	2592	1000	20	100	24	3.13 to 5.25	Wire Cable	YES	50	100
KD2008-CF16A				800		125						
KD3008-CF10A				1250		100						
KD2008-CG50A				800		150			4.75 to 5.25	Flat Cable		
KD2003-L0GBA0A	203	72	576	800	12	200	3.13 to 5.25	—	NO		50	

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



■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.



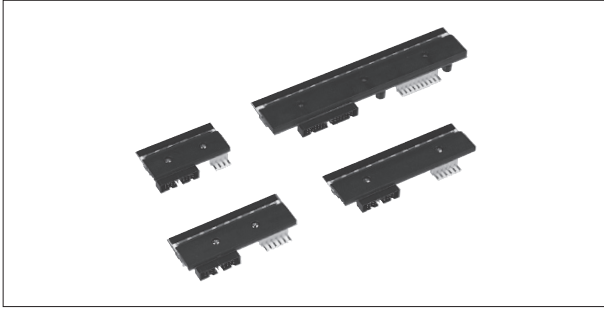
■Applications

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

For High-speed Receipt, Smart POS 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 (Vcc)	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)
New KD2002-D5FW00A	203	56	448	650	20	250	24	3.13 to 5.25	Wire Cable	NO	150	100
New KD2003-F0GB00A		80	640		14				—		50	50
New KD2003-F0FW00A		104	832		20				—		150	100
New KD2004-D0GW00A		144	1152	800	20	125		4.75 to 5.25	Wire Cable	—	50	50
KD2005-UAGX00A		54.208	640	1000	18	200		3.13 to 5.25	YES	Flat Cable	NO	150
New KD3002-KAFW00A	300	81.312	960	14	250							
New KD3002-GEFW00A				20	200	YES						
KD3003-K5FW00A				18	200							
KD3003-KAFW00A				108.416	1280	25	100		4.75 to 5.25	Wire Cable	YES	
KD3004-KAGW00A	216.832	2560	660	25	100	4.75 to 5.25	Wire Cable	YES	—	—	—	
KD3008-DF54A	—	—	—	—	—	—	—	—	—	—	—	—

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.

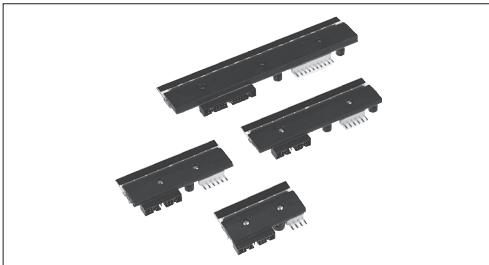
■Applications

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 (t)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (V _{cc})	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)
KD2002-TQFW00A	203	56	448	550	20	250	24	3.13 to 5.25	Wire Cable	YES	150	100
KD2003-TQFW00A		80	640									
KD2004-TQFW00A		104	832									
KD2006-TQFW00A		168	1344									
KD3002-TQFW00A	300	54.208	640	850								
KD3003-TQFW00A		81.312	960									
KD3004-TQFW00A		108.416	1280									
KD3006-TQFW00A		162.624	1920									
TE3004-TP1W00A		105.706	1248		570							
						400						

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.

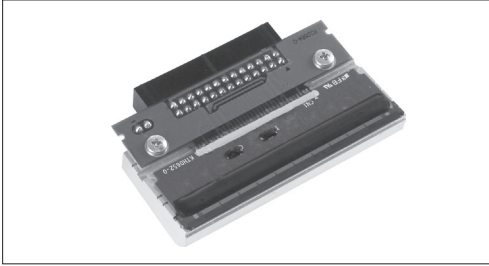
■Applications

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 (t)	Platen diameter (Max) (mm)	Print Speed (mm/s)	Print voltage (VH)	Logic Voltage (V _{cc})	Connector type	Heat sink	Abrasion life (km)	Pulse life (million pulses)
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	1344									
KD3002-RQFW00A	300	54.208	640	850								
KD3003-RQFW00A		81.312	960									
KD3004-RQFW00A		108.416	1280									
KD3006-RQFW00A		162.624	1920									

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	Abrasion life (km)	Pulse life (million pulses)
TH3001-2P1W00A	305	31.987	384	570	50	1000	24	3.13 to 5.25	Wire Cable	YES	150	100
TH3002-2P1W00A		53.312	640									

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