

Thermal Print Heads

For long-life barcode printers and label printers

BWF/BWP series

Type:	BWP-SS Normal-head with no heat history control
	BWF-HS/BWP-HS High-speed with three-stage LATCH heat history control
	BWF-FS/BWP-FS High-speed with five-stage LATCH heat history control

Issue date: July 2011

- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
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Thermal Print Heads For Barcode and Label Printers

BWP4328SS

FEATURES

- Toughness head with a highly durable electrode material
- Normal type with no heat history control type [SS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals

PRODUCT SPECIFICATIONS

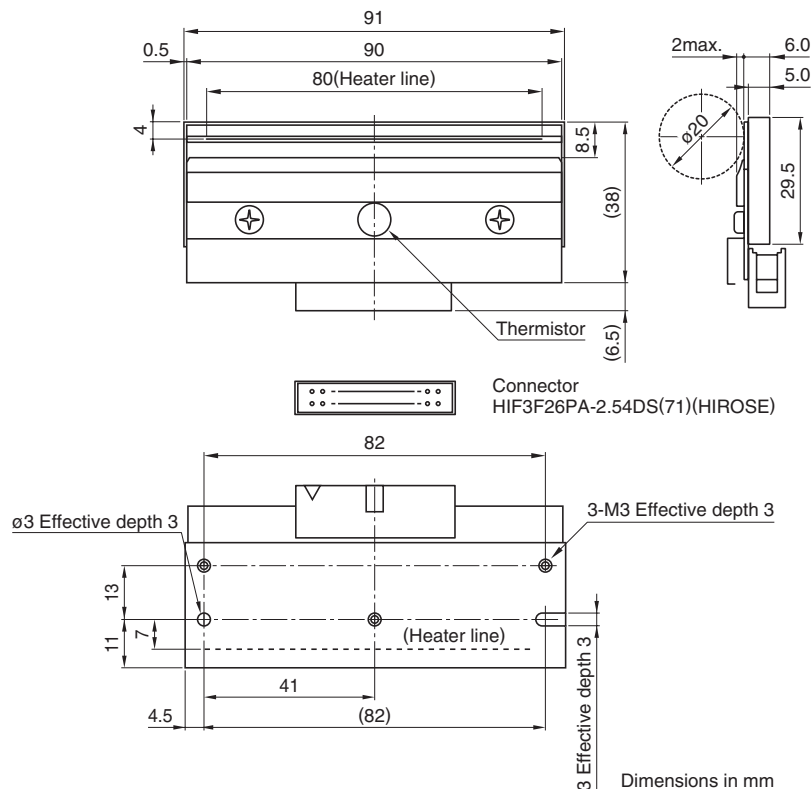
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	640
Dot density	(dots/mm)	8
	(DPI)	203
Length of heating element array (effective)	(mm)	80
Heating element average resistance	(Ω)	800
Glaze type		Partial glaze

DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	5max.
Driver power supply	(V)	4.5 to 5.5

SHAPES AND DIMENSIONS



Thermal Print Heads For Barcode and Label Printers

BWF6326HS

FEATURES

- Toughness head with a highly durable electrode material
- High-speed type with three-stage LATCH heat history control [HS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals

PRODUCT SPECIFICATIONS

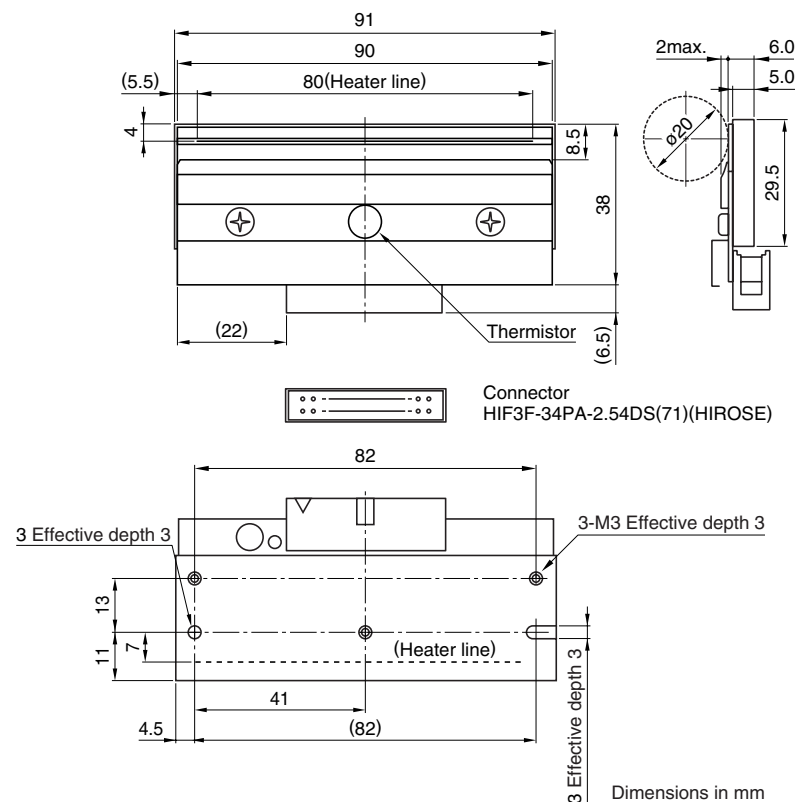
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	960
Dot density	(dots/mm) (DPI)	12 305
Length of heating element array (effective)	(mm)	80
Heating element average resistance	(Ω)	1500
Glaze type		Full glaze

DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	8max.
Driver power supply	(V)	4.75 to 5.25

SHAPES AND DIMENSIONS



• All specifications are subject to change without notice.

Thermal Print Heads For Barcode and Label Printers

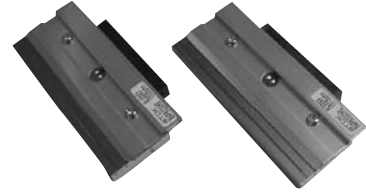
BWP6322HS

FEATURES

- Toughness head with a highly durable electrode material
- High-speed type with three-stage LATCH heat history control [HS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals



PRODUCT SPECIFICATIONS

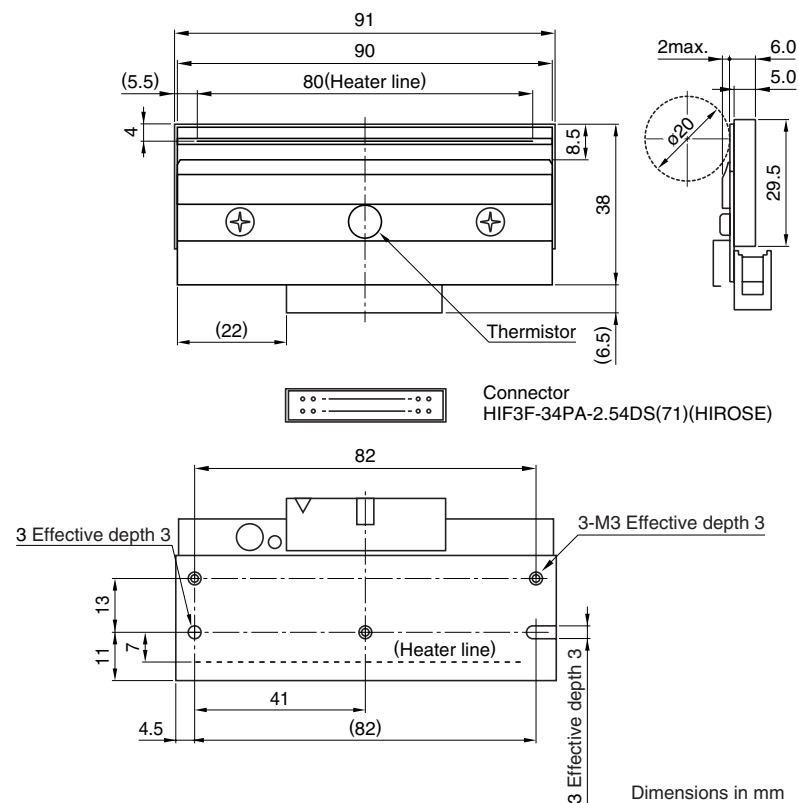
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	960
Dot density	(dots/mm)	12
	(DPI)	305
Length of heating element array (effective)	(mm)	80
Heating element average resistance	(Ω)	1500
Glaze type		Partial glaze

DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	8max.
Driver power supply	(V)	4.75 to 5.25

SHAPES AND DIMENSIONS



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Thermal Print Heads For Barcode and Label Printers

BWP6510HS

FEATURES

- Toughness head with a highly durable electrode material
- High-speed type with three-stage LATCH heat history control [HS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals



PRODUCT SPECIFICATIONS

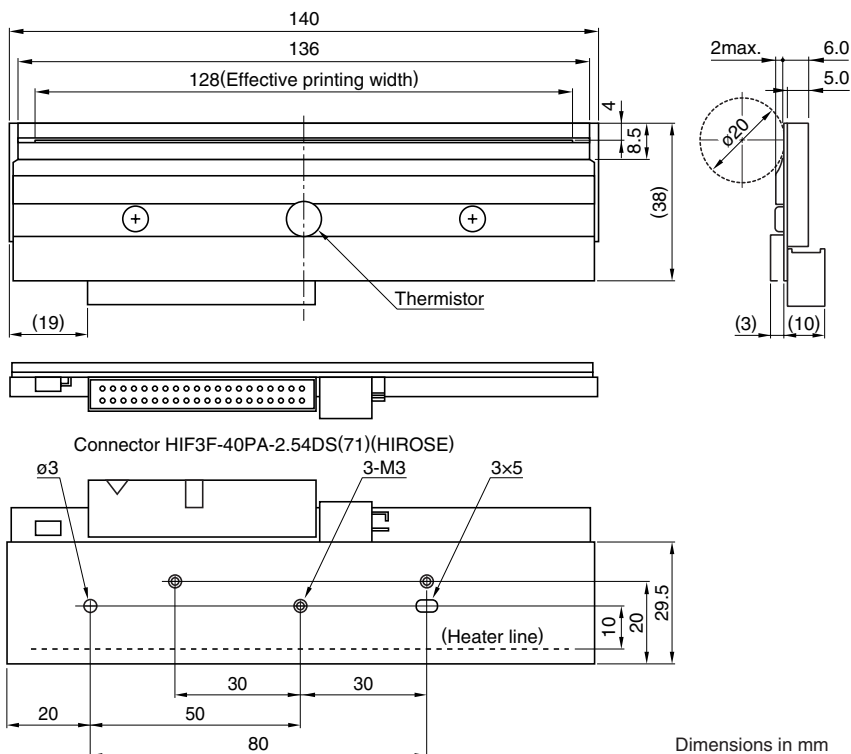
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	1536
Dot density	(dots/mm)	12
	(DPI)	305
Length of heating element array (effective)	(mm)	128
Heating element average resistance	(Ω)	1500
Glaze type		Partial glaze

DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	8max.
Driver power supply	(V)	4.5 to 5.5

SHAPES AND DIMENSIONS



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Thermal Print Heads For Barcode and Label Printers

BWF4329FS

FEATURES

- Toughness head with a highly durable electrode material
- High-speed type with five-stage LATCH heat history control [FS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals

PRODUCT SPECIFICATIONS

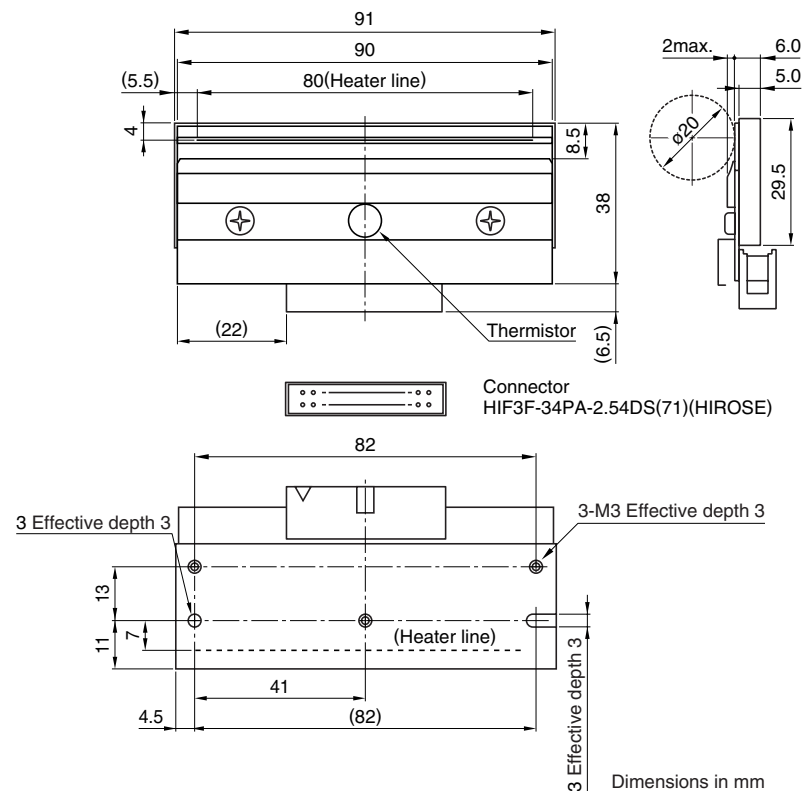
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	640
Dot density	(dots/mm)	8
	(DPI)	203
Length of heating element array (effective)	(mm)	80
Heating element average resistance	(Ω)	800
Glaze type		Full glaze

DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	8max.
Driver power supply	(V)	4.5 to 5.5

SHAPES AND DIMENSIONS



• All specifications are subject to change without notice.

Thermal Print Heads For Barcode and Label Printers

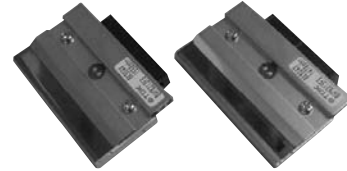
BWF6213FS

FEATURES

- Toughness head with a highly durable electrode material
- High-speed type with five-stage LATCH heat history control [FS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals



PRODUCT SPECIFICATIONS

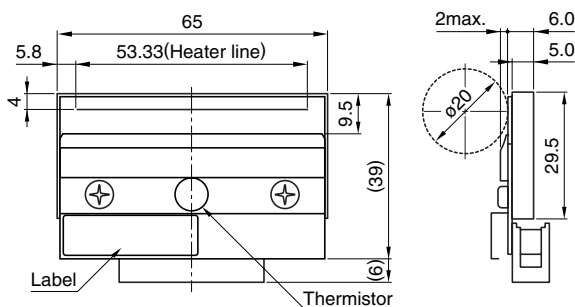
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	640
Dot density	(dots/mm)	12
	(DPI)	305
Length of heating element array (effective)	(mm)	53.33
Heating element average resistance	(Ω)	1500
Glaze type		Full glaze

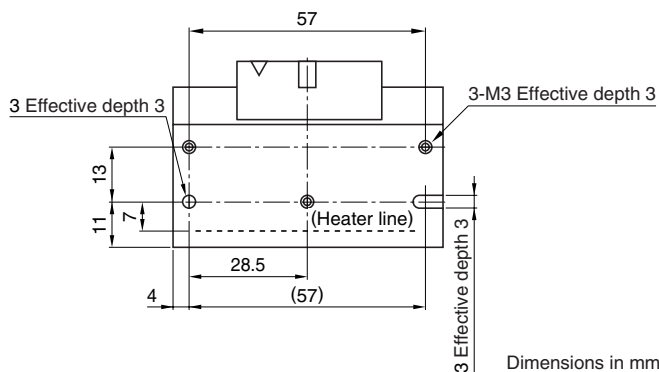
DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	8max.
Driver power supply	(V)	4.5 to 5.5

SHAPES AND DIMENSIONS



Connector
 HIF3F-26PA-2.54DS(71)(HIROSE)



Thermal Print Heads For Barcode and Label Printers

BWP6511FS

FEATURES

- Toughness head with a highly durable electrode material
- High-speed type with five-stage LATCH heat history control [FS type]
- New-BP protective layer with excellent abrasion resistance is used.

APPLICATIONS

- Barcode and label printers
- Bank ATMs
- Amusements
- Ticket-vending machines
- POS terminals



PRODUCT SPECIFICATIONS

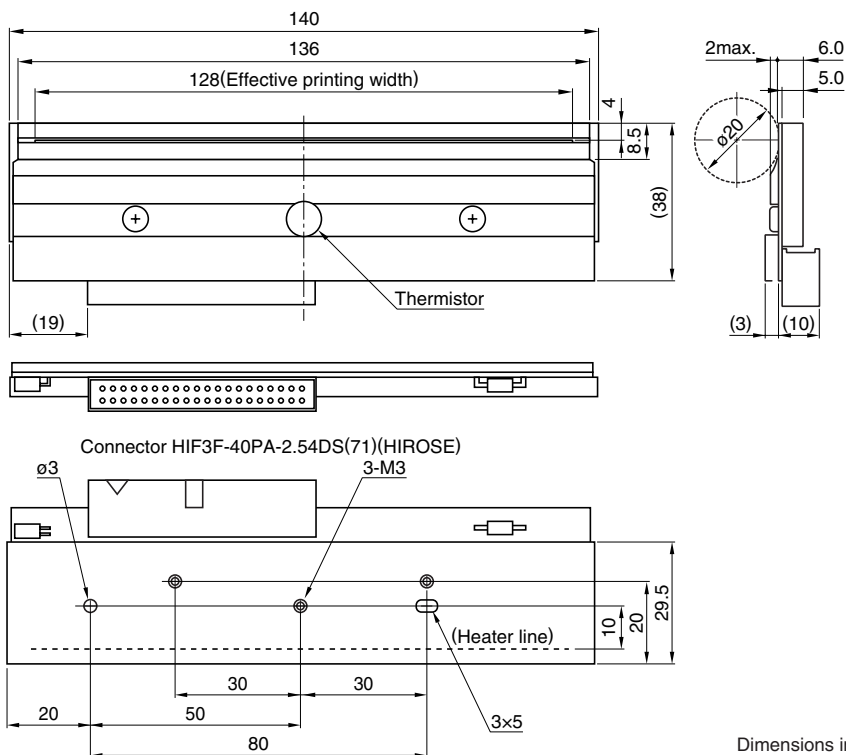
HEATING ELEMENT SPECIFICATIONS

Number of heating elements	(dots)	1536
Dot density	(dots/mm)	12
	(DPI)	305
Length of heating element array (effective)	(mm)	128
Heating element average resistance	(Ω)	1300
Glaze type		Partial glaze

DRIVE CONDITIONS

Applied platen diameter	(mm)	$\phi 20$ max.
Data transfer frequency	(MHz)	8max.
Driver power supply	(V)	4.5 to 5.5

SHAPES AND DIMENSIONS



Dimensions in mm

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