

TPH for Barcode Printers



TBX/3TBX Series

Features

Most appropriate heating structure for middle speed application, max 200mm/s with D-Coating, high performance of anti-abrasion, especially for poor printing environment.

Application

Barcode label printers with middle printing speed (below 200mm/s).

Model	TBX56	TBX80	TBX104	3TBX56	3TBX81	3TBX105
Resolution (dpi)	200			300		
Printing Width (mm) *1	56	80	104	56	81	105
Number of dots (dots)	448	640	832	672	960	1,26
Resistance (Ω)	700			800		
Platen Roller size (Max Φ)	20					
Printing Speed (mm/s)	200					
Clock Speed (Max MHz)	10MHz			30MHz		
Logic (V)	3.3V - 5V					
Head voltage (V)	24V					
Run length (km)	150					
Pulse activation (Pulses)	1×10^8					
Heatsink *4	Aluminum					
Interface *5	26 pin Connector					

SBX/3SBX Series

Features

Most appropriate heating structure for high speed application, max 300mm/s. Improved performance for anti-ESD and anti-noise with D-Coating. High performance of anti-abrasion, especially for poor printing environment.

Application

Barcode label printers with high printing speed (250-300mm/s).

Model	SBX56	SBX80	SBX108	3SBX57	3SBX81	3SBX105
Resolution (dpi)	200			300		
Printing Width (mm) *1	56	80	108	57	81	105
Number of dots (dots)	448	640	864	684	960	1,26
Resistance (Ω)	700			800		
Platen Roller size (Max Φ)	20					
Printing Speed (mm/s)	300			200		
Clock Speed (Max MHz)	20MHz		30MHz			
Logic (V)	3.3V - 5V					
Head voltage (V)	24V					
Run length (km)	150					
Pulse activation (Pulses)	1×10^8					
Heatsink *4	Aluminum					
Interface *5	30 pin Connector			26 pin Connector		

ZX/3ZX Series

Features

New FFS structure, realize super high speed max 500mm/s. High CLK speed max 30MHz. With D-Coating, high performance of anti-abrasion, especially for poor printing environment.

Application

High durability industrial barcode printers esp. for production line and warehouse.

Model	ZX108	3ZX105
Resolution (dpi)	200	300
Printing Width (mm) *1	108	105
Number of dots (dots)	864	1.260
Resistance (Ω)	700	600
Platen Roller size (Max Φ)	20	
Printing Speed (mm/s)	500	300
Clock Speed (Max MHz)	30MHz	

Logic (V)	3.3V - 5V
Head voltage (V)	24V
Run length (km)	150
Pulse activation (Pulses)	1x10 ⁸
Heatsink *4	Aluminum
Interface *5	30 pin Connector x 2

*1 Design technology from Mitsubishi, customized design with any printing width at lower cost.

*4 Customized head support according to customers.

Material-Aluminum, Steel, Stainless, Plastic.

Process-Extrude, Die Cast, Injection, Press.

*5 Various solution for customers.

Connector.

FFC direct soldering.

FPC direct soldering.