

High Speed · High Reliability Thermal Printheads 3D Head STPH series



# Revolutionizing high-speed barcode printing Industry-leading\* printing speed: 500mm/s



High-speed high-resolution printing is achieved using an ultra-high accuracy heat element configuration that leverages original 3D processing technology



## **3D Head STPH series Features**

#### Industry-leading\* 500mm/s at 300dpi resolution doubles the conventional printing speed for increased productivity

Achieves high 500mm/s print speed at 300dpi resolution (TE3004-TP1W00A) by combining high thermal conductivity materials with original 3D processes. High-speed printing significantly contributes to improved label printing efficiency.

#### Newly developed high durability multilayer protective film improves electrostatic breakdown voltage

The protective heat element film is comprised of a unique multilayer structure that takes advantage of ROHM's strength in film formation technology to significantly improve electrostatic breakdown voltage. At the same time, enhanced abrasion and corrosion resistance reduces the frequency of head replacement by end users.





### Superior nip characteristics enable high quality printing over a wide range

The unique heat element structure based on 3D modeling technology ensures high-quality, high precision printing even when the mounting position fluctuates.



#### **3D Head Structure STPH series**

Part No.	Resolution/Density [dpi]	Print Width [mm]	No. of Dots [dots]	Print Speed [mm/s]	Resistance Variation [Ω]	Print Supply Voltage [VH]	Circuit Supply Voltage [V <sub>DD</sub> ]	Size[mm]	
								Width	Height
New TE2004-QP1W00A	203	104.00	832	500	570	24	3.13 to 5.25	118	45
New TE3004-TP1W00A	300	105.71	1,248						

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