



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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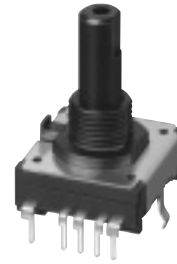
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



18 mm Square Encoders (Water proof Type)

Japan

Type: **EVQV9**



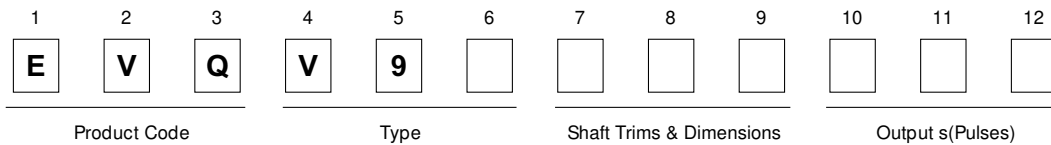
■ Features

- Water resistant
- Highly responsive clicking
- High precision and reliability
(uses the insertion contact method)

■ Recommended Applications

- Home appliances, AV equipment, etc.
(for signal input)

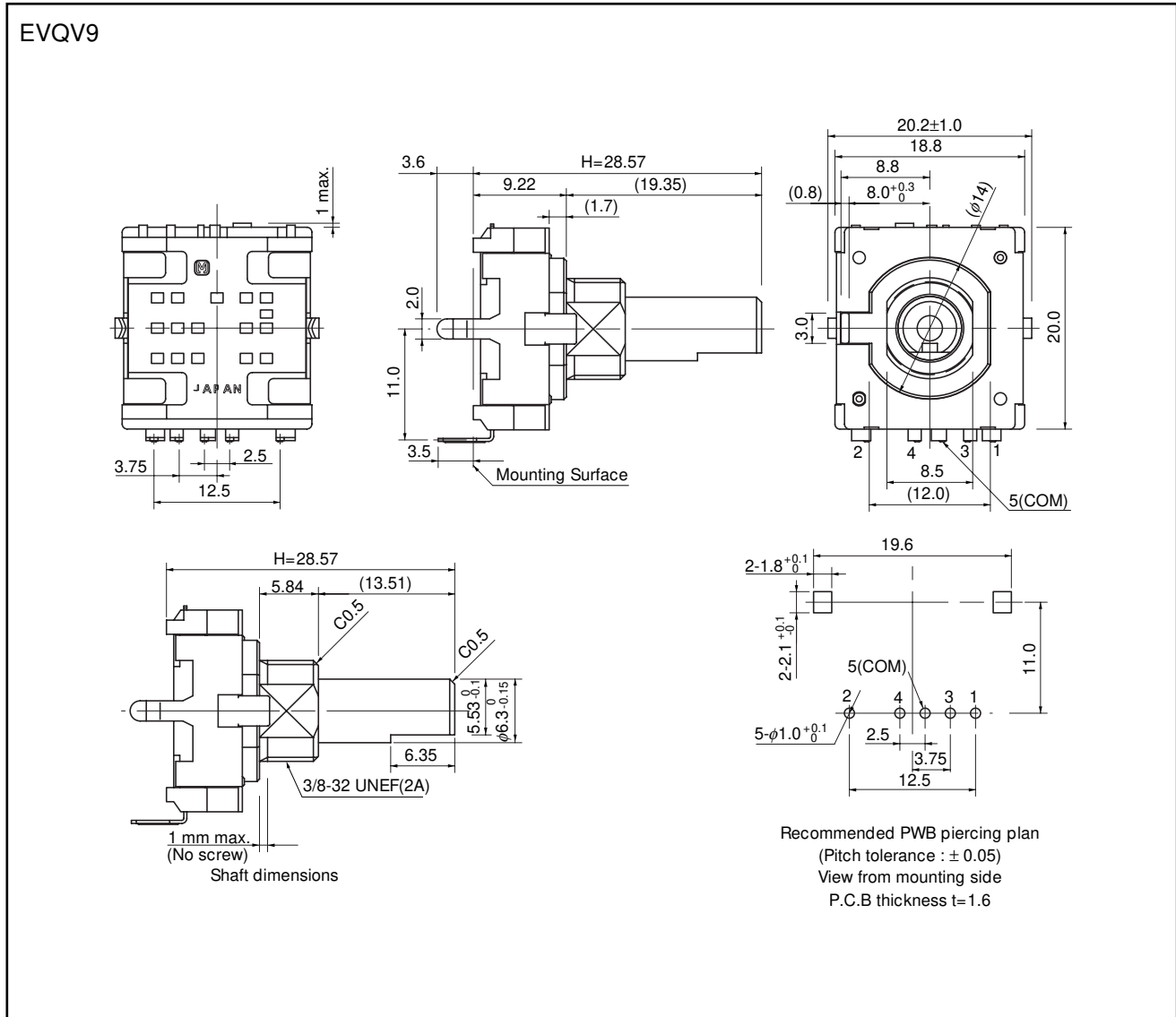
■ Explanation of Part Numbers



■ Specifications

Mechanical	Rotation Angle	360 ° (Endless)	
	Shaft Pull/Push Strength	100 N min.	
	Shaft Wobble	(Each side: 0.5 × L/30(mm)max.) Applied 50 mN·m moment) L=Length from mounting surface	
	Rotation Torque	50±20 mN·m	2 mN·m to 20 mN·m
	Detents	16 points	without detents
Electrical	Output Signal	16 positions	12 positions
	Resolution	Absolute 4-bit , Gray cord absolute	
	Rating	1 mA 10 Vdc	
	Contact Resistance	10 Ω max.	
	Insulation Resistance	50 MΩ min. (at 250 Vdc)	
	Dielectric Withstanding Voltage	50 Vac for 1 minute	
	Bouncing	5 ms max.	
Endurance	Rotation Life	30000 cycles min.	
Minimum Quantity / Packing Unit		120 pcs. (Tray Pack)	
Quantity / Carton		1200 pcs.	

■ Dimensions in mm (not to scale)



■ Test Circuit Diagram

