27/18 mm Center Space Encoders

Type: **EVQV5/EVQVT**



■ Features

- Multiple unit construction (achieved by mounting switches, LEDs, etc.) (center space) on the printed wiring board
- Good operability and high reliability

■ Recommended Applications

- Car audio products (adjustment of volume, tone, tuners, etc.)
- AV equipment (control of edit functions of VCRs, CD players, etc.)

■ Explanation of Part Numbers

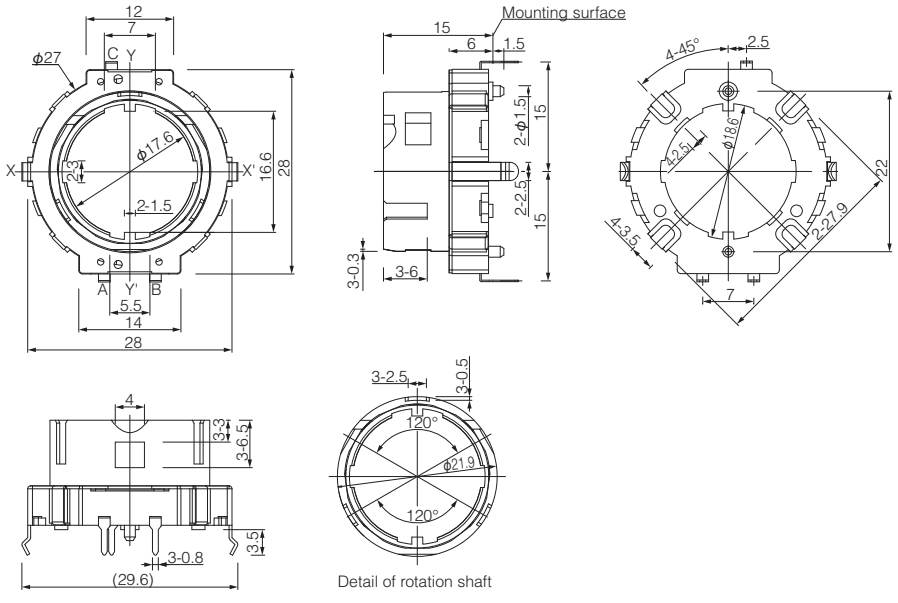
1	2	3	4	5	6	7	8	9	10	11	12
E	V	Q	V								
Product Code			Type			Design No.			Output(Pulses)		

■ Specifications

Mechanical	Rotation Angle	360 ° (Endless)
	Rotation Torque (Detents Torque)	9 mN·m, 13.5 mN·m, 18 mN·m
	Detents	18 points, 30 points
Electrical	Output Signal	Phase A and B
	Resolution	9 pulses/360 °, 15 pulses/360 °
	Rating	1 mA 10 V DC
	Contact Resistance	1 Ω max.
	Chattering	5 ms max.
	Insulation Resistance	50 mΩ min. (at 250 V DC)
	Dielectric Withstanding Voltage	300 V AC for 1 minute
Endurance	Rotation Life	30,000 cycles min.
Minimum Quantity/Packing Unit		80 pcs. (Tray Pack)
Quantity/Carton		1,600 pcs.

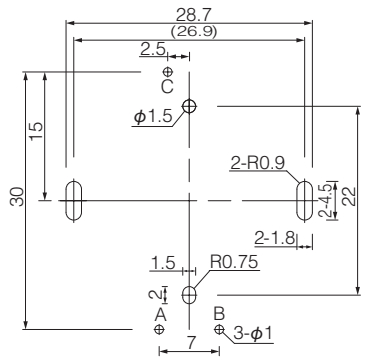
■ Dimensions in mm (not to scale)

General dimension tolerance : ± 0.5
( )dimensions are reference dimensions.



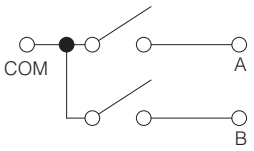
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ PWB mounting hole for reference

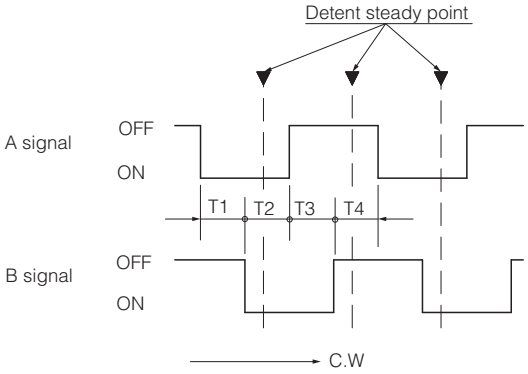


(View from mounting side)
P.W.B thickness:t=0.16
Tolerance: ±0.1

■ Circuit Diagram

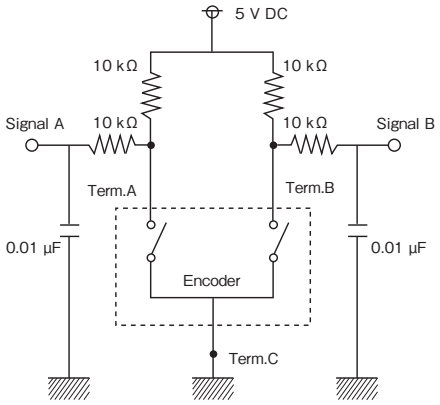


■ Phase Difference



Phase difference T1, T2, T3, T4
(At rotational speed 60 r/min.)
Initial ------- 4m sec. min.
After life -----2.5m sec. min.

■ Test Circuit Diagram



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