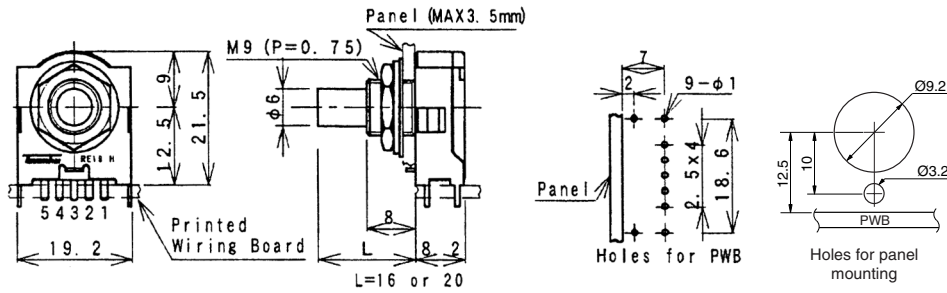
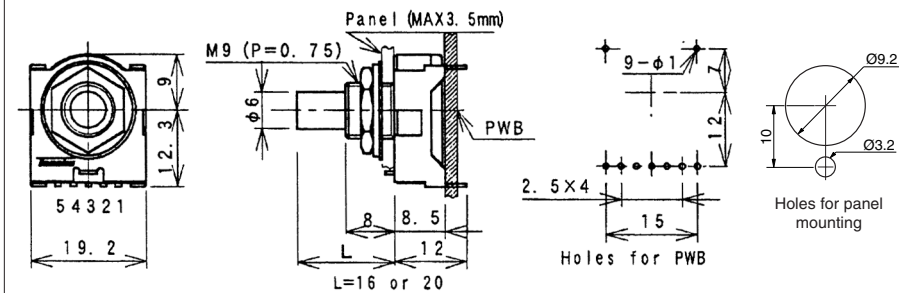


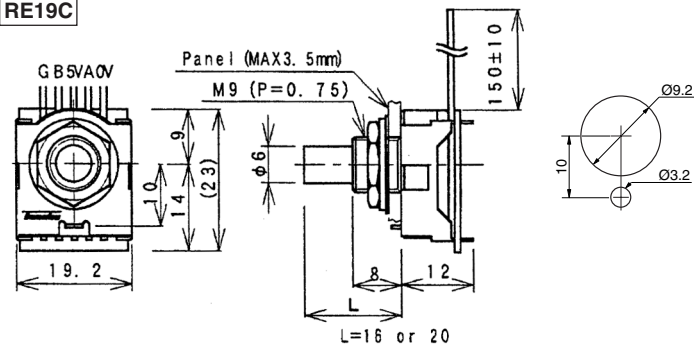
**RE19H**



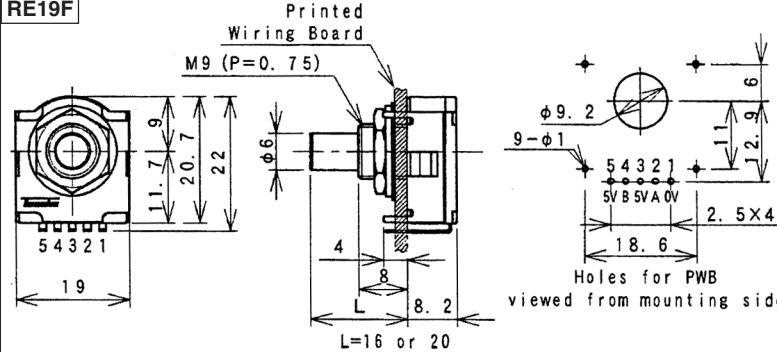
**RE19V**



**RE19C**



**RE19F**



**Connections**

Number	Functions
5*	5V +5V Powersupply
4	B B Phase output
3*	5V +5V Powersupply
2	A A Phase output
1	0V 0V Common Return
G	Frame Ground/Earth

\*Please connect terminals 3 and 5 to 5V power supply.

**SPECIFICATIONS**

**ELECTRICAL**

1. Input Power: 5.0 VDC ±10% @ 20mA
2. Output Voltage: H = Vcc - 0.5V  
L ≤ 0.4V
3. Resolution: 25/50 PPR
3. Output Type: TTL Compatible
4. Max. Freq. Response: 500 Hz

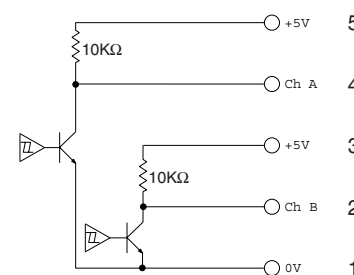
**MECHANICAL**

1. Max Shaft Load, radial: 5.0 kgf  
axial: 5.0 kgf
2. Rotational Angle: 360° continuous
3. Click Torque: 30~70 gf•cm
4. Rotational Life: 1,000,000 cycles

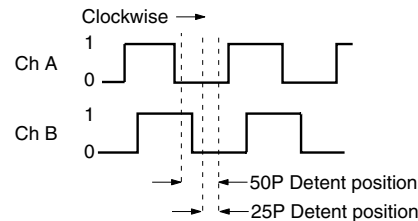
**ENVIRONMENTAL**

1. Operating Temp: 0° to +70° C
2. Storage Temp: -20° to +80° C
3. Humidity: ≤85% RH, no condensation
4. Vibration: 10~55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 6ms, 3 axes, 3 reps

**OUTPUT CIRCUIT**



**OUTPUT WAVEFORM**



**ORDERING INSTRUCTIONS**

RE19□□□□□□□R□

N = Not waterproof  
P = Waterproof

Body Type:  
C = Cable type  
F = Front mounting  
H = Horizontal  
V = Vertical

Shaft Length:  
16 = 16mm  
20 = 20mm  
28 = 28mm

Detent:  
C = Click  
Blank = No Click

Resolution:  
25 = 25 Cycles  
50 = 50 Cycles

Output:  
O = Open Collector  
R = pull up 4.7 kΩ



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DRAWN BY JRH	UPDATED 03/30/07	CHECKED 03/30/07	RELEASED
PART NO. <b>RE19XXXXXXXXRX</b>			REV.