

24mm Metal & Plastic Shaft Rotary Potentiometer

24mm Metal & Plastic Shaft Rotary Potentiometer

■ FEATURE

- Ideal for all types of audio products

■ APPLICATION

- Ideal for radio, cassette recorder with radio, amplifier, receiver, etc.

■ SPECIFICATIONS (Electrical & Mechanical characteristics)

Resistance Range	1K Ω ~ 1MK Ω
Resistance Tolerance	$\pm 20\%$ (more than 1M Ω $\pm 30\%$)
Resistance Taper	A, B, W
Rated Power	Curve B: 0.1W 200VAC other than B: 0.05W 150VAC
Sliding Noise	47mV Max.
Insulation Resistance	100M Ω Min. at DC 500V
Withstnad Voltage	250VAC Min. at 1 Min.
Rotating Angle	300° $\pm$ 10°
Rotating Torque	30 ~ 200 gf.cm
Switch Rotational Angle	50° $\pm$ 5°
Stop Strength	5 kgf.cm Min.
Rotating Life	15,000 cycles

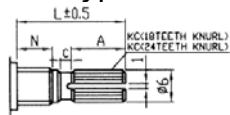
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
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■ HOW TO ORDER

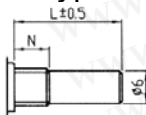
24S1 - B 50K L - 20 KC
 Model no. Taper Resistance value Shaft length Shaft Type

Standard shaft, Bushing, Nut & Washer Dimensions

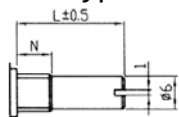
KC Type



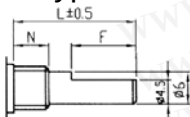
R Type



RE Type

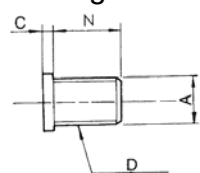


F Type



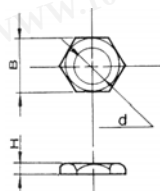
N = 6.5 mm									
Shaft Type	L	10	15	17	20	25	30	35	40
KC	A	2.2	6	8	10	12	12	12	12
	C	0.5	1	1	2	2	4	4	4
F	F	2.5	7	7	12	12	12	12	12
R, RE	L	10	15	17	20	25	30	35	40

Busing Size



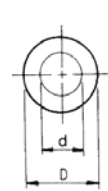
	16K	16T
A	$\Phi 7$	
N	5	6.5
C	1.4	
D	M7*0.75	

Nut Size



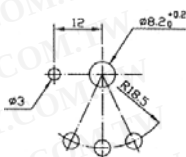
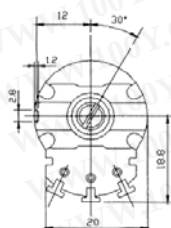
d	B	H
M6*0.75	8	1.8
M7*0.75	10	2.2
M8*0.75	11	2.1
M9*0.75	12	2.1
M10*0.75	14	2.2
3/8"32NEF	13	2.3

Washer Size

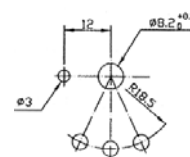
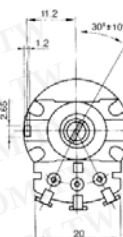
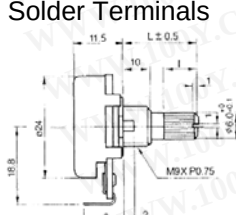


Series	Φd	ΦD	t
M6	6.1	10	0.4
M7	7.1	12	0.4
M8	8.1	14	0.4
M9	9.1	14	0.4
M10	10	15	0.5
3/8"32NEF	9.7	16	0.4

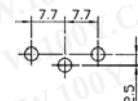
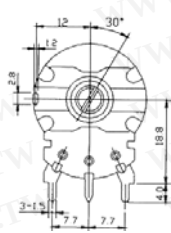
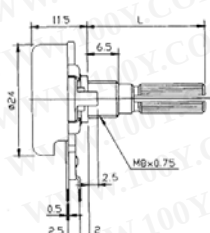
Standard Type, Single Unit
Solder Terminals



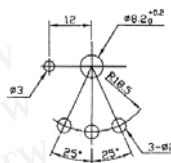
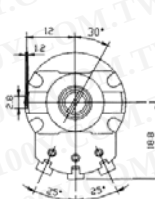
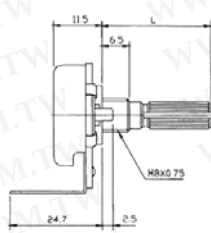
Single Unit with Plastic Shaft
Solder Terminals



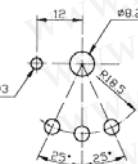
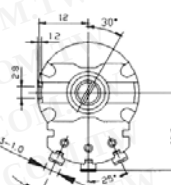
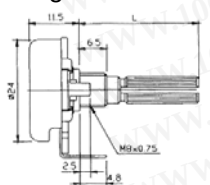
Horizontal Type, Single Unit
PCB Terminals



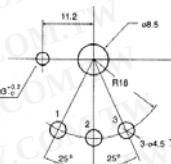
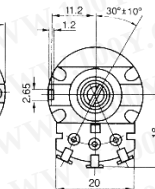
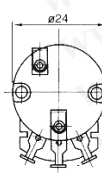
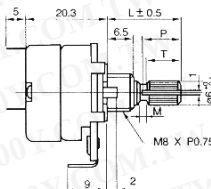
Vertical Type, Single Unit PCB Terminals



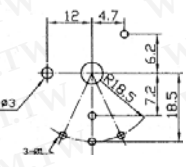
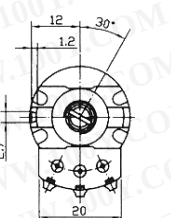
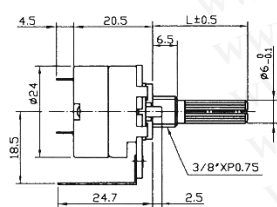
Single Unit PCB Terminals



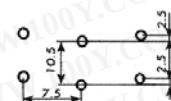
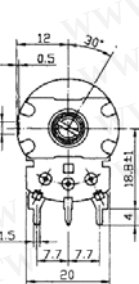
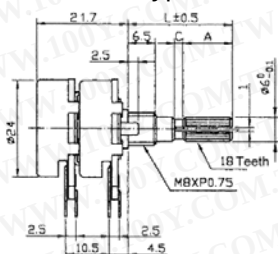
Standard Type, Single Unit with Switch
Solder Terminals



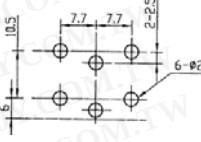
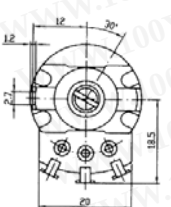
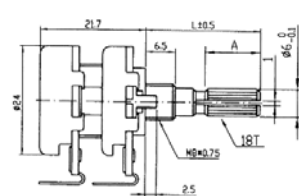
Standard Type Single Unit with Switch
PCB Terminals with Plastic Shaft & Bushing Set



Horizontal Type Dual Units PCB Terminals



Standard Type Dual Units Solder Terminals



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- RESIDUAL RESISTANCE

Note: Q/F/S/H : Silver-plating against sulphides

COMMON SPECIFICATION

- RESISTANCE TAPERS AND VOLTAGE RATE $\left(\frac{V1-2}{V1-3} \times 100\%\right)$ AT MEASURING POSITION

Taper		JIS	Effective Rotation Angle & Effective Travel							
			10%	20%	30%	50%	60%	70%	80%	90%
A	05A	G	-	-	-	2-10	-	-	-	-
	10A	D	-	-	-	10-15	15-30	-	-	-
	15A	A	-	-	-	15-25	-	-	-	-
	20A	-	-	-	-	15-30	-	-	-	-
	25A	D	-	-	-	20-35	-	-	-	-
	30A	-	-	-	-	25-40	-	-	-	-
B	B	B	-	-	-	40-60	-	-	-	-
	1B	-	0.5-5	-	-	40-60	-	-	-	96-99.8
	2B	-	-	2-10	-	40-60	-	-	-	-
	3B	-	-	1-7	-	40-60	-	-	90-100	-
	4B	W	-	-	5-15	40-60	-	85-95	95-100	-
	5B	-	-	-	1-7	40-60	-	95-100	-	-
*C	05C	-	-	-	-	2-10	-	-	-	-
	10C	RD	-	-	-	10-15	-	-	-	-
	15C	C	-	-	-	15-25	15-30	-	-	-
	20C	-	-	-	-	15-30	-	-	-	-
	25C	E	-	-	-	20-35	-	-	-	-
	30C	-	-	-	-	25-40	-	-	-	-

Note:

*C Taper total resistance travel is measured from fully counter clockwise position

- RESISTANCE VALUE

RES (Ω) Code		RES (Ω) Code		RES (Ω) Code		RES (Ω) Code		RES (Ω) Code	
100	101	1K	102	10K	103	100K	104	500K	504
200	201	2K	202	20K	203	200K	204	1M	105
220	221	2.2K	222	22K	223	220K	224	2M	205
300	301	3K	302	30K	303	250K	254		
470	471	4.7K	472	47K	473	300K	304		
500	501	5K	502	50K	503	470K	474		

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