

# Panasonic® Audio Potentiometers

## 9mm Potentiometers

Specifications: Resistance Range: 5K $\Omega$  through 50K $\Omega$  • Tolerance:  $\pm 20\%$  • Power Rating: .05w @ 50°C • Voltage Rating:  $E = \sqrt{PR}$  but  $E \leq 50VAC/20VDC$  • Rotation Angle: 300°  $\pm 5^\circ$  • Life: 10000 turns minimum • Application: Audio mixer

**Fig. 1**

Shaft:  $\varnothing$  6.0 mm

Footprint Applies to Figures 1, 2 & 3

**Fig. 2**

Shaft:  $\varnothing$  6.0 mm

\* Hardware Included

**Fig. 4**

Shaft:  $\varnothing$  6.0 mm

Footprint Applies to Figures 4, 5, & 6

**Fig. 3**

Shaft:  $\varnothing$  6.0 mm

**Fig. 5**

Shaft:  $\varnothing$  6.0 mm

\* Hardware Included

**Fig. 6**

Shaft:  $\varnothing$  6.0 mm

\* Hardware for Fig. 2 and Fig. 5

## 12mm Potentiometers

Specifications: Resistance Range: 5K $\Omega$  through 50K $\Omega$  • Tolerance:  $\pm 20\%$  • Power Rating: .05w @ 50°C • Voltage Rating:  $E = \sqrt{PR}$  but  $E \leq 50VAC/20VDC$  (Do not use DC Voltage) • Rotation Angle: 300°  $\pm 5^\circ$  • Life: 15000 turns minimum • Application: Audio mixer

**Fig. 7**

Shaft:  $\varnothing$  6.0 mm

Footprint Applies to Figures 7, 8, & 9

**Fig. 8**

Shaft:  $\varnothing$  6.0 mm

\* Hardware Included

**Fig. 9**

Shaft:  $\varnothing$  6.0 mm

**Fig. 10**

Shaft:  $\varnothing$  6.0 mm

Footprint Applies to Figures 10, 11, & 12

**Fig. 11**

Shaft:  $\varnothing$  6.0 mm

\* Hardware Included

**Fig. 12**

Shaft:  $\varnothing$  6.0 mm

\* Hardware for Fig. 8 and Fig. 11

**Fig. 4**

Effective rotation clockwise  $\rightarrow$

\*Output V. between term. 1 & 2  $\times 100\%$   
Operating V. between term. 1 & 3

**Fig. 5**

Effective rotation (Counterclockwise)  $\leftarrow$

\*Output V. between term. 2 & 3  $\times 100\%$   
Operating V. between term. 1 & 3

**Resistance Code Chart**  
Code (Resistance Value)

Code (Value)	Code (Value)
502 (5K)	103 (10K)
203 (20K)	503 (50K)

Fig.	Taper	Center Detent	Bushing	Digi-Key Part No.	1	10	100	1,000	Panasonic* Part No.
<b>9mm Audio Potentiometers</b>									
1	B	Y	None	P3A1□□□-ND	1.05	8.73	65.48	483.06	EVU-F3AF30B□□
	D	Y	None	P3B2□□□-ND	1.05	8.73	65.48	483.06	EVU-F3AF30D□□
	B	N	None	P3C3□□□-ND	1.12	9.33	69.98	516.26	EVU-F2AF30B□□
	D	N	None	P3D4□□□-ND	.99	8.22	61.65	454.84	EVU-F2AF30D□□
2	B	Y	Metal	P3E5□□□-ND◆	1.90	15.84	118.80	876.48	EVU-F3MFL3B□□
	D	Y	Metal	P3F6□□□-ND	1.90	15.84	118.80	876.48	EVU-F3MFL3D□□
	B	N	Metal	P3G7□□□-ND◆	1.84	15.33	114.98	848.26	EVU-F2MFL3B□□
	D	N	Metal	P3H8□□□-ND◆	1.84	15.33	114.98	848.26	EVU-F2MFL3D□□
3	B	Y	Plastic	P3I9□□□-ND	1.25	10.44	78.30	577.68	EVU-F3LFL3B□□
	D	Y	Plastic	P3J0□□□-ND	1.25	10.44	78.30	577.68	EVU-F3LFL3D□□
	B	N	Plastic	P3K1□□□-ND	1.19	9.90	74.25	547.80	EVU-F2LFL3B□□
	D	N	Plastic	P3L2□□□-ND	1.19	9.90	74.25	547.80	EVU-F2LFL3D□□
4	B	Y	None	P3M3□□□-ND	1.08	9.03	67.73	499.66	EVU-E3AF25B□□
	D	Y	None	P3N4□□□-ND	1.08	9.03	67.73	499.66	EVU-E3AF25D□□
	B	N	None	P3P5□□□-ND	1.02	8.49	63.68	469.78	EVU-E2AF25B□□
	D	N	None	P3Q6□□□-ND	1.02	8.49	63.68	469.78	EVU-E2AF25D□□
5	B	Y	Metal	P3R7□□□-ND	1.94	16.17	121.28	894.74	EVU-E3JFK4B□□
	D	Y	Metal	P3S8□□□-ND	1.94	16.17	121.28	894.74	EVU-E3JFK4D□□
	B	N	Metal	P3T9□□□-ND	1.87	15.60	117.00	863.20	EVU-E2JFK4B□□
	D	N	Metal	P3U0□□□-ND	1.87	15.60	117.00	863.20	EVU-E2JFK4D□□
6	B	Y	Plastic	P3V1□□□-ND	1.29	10.77	80.78	595.94	EVU-E3KFK4B□□
	D	Y	Plastic	P3X2□□□-ND	1.29	10.77	80.78	595.94	EVU-E3KFK4D□□
	B	N	Plastic	P3Y3□□□-ND	1.22	10.20	76.50	564.40	EVU-E2KFK4B□□
	D	N	Plastic	P3Z4□□□-ND	1.22	10.20	76.50	564.40	EVU-E2KFK4D□□
<b>12mm Audio Potentiometers</b>									
7	B	Y	None	P2A5□□□-ND	2.36	19.68	147.60	1088.96	EVJ-Y81F30B□□
	AC	Y	None	P2B6□□□-ND	2.36	19.68	147.60	1088.96	EVJ-YE1F30B□□
	A	N	None	P2C7□□□-ND	2.29	19.11	143.33	1057.42	EVJ-Y00F30A□□
	D	N	None	P2D8□□□-ND	2.29	19.11	143.33	1057.42	EVJ-Y00F30D□□
8	B	Y	Metal	P2E9□□□-ND	2.69	22.41	168.08	1240.02	EVJ-Y91F03B□□
	AC	Y	Metal	P2F0□□□-ND	2.38	19.83	148.73	1097.26	EVJ-YK1F03□□□
	A	N	Metal	P2G1□□□-ND	2.62	21.87	164.03	1210.14	EVJ-Y10F03A□□
	D	N	Metal	P2H2□□□-ND	2.62	21.87	164.03	1210.14	EVJ-Y10F03D□□
9	B	Y	Plastic	P2I3□□□-ND	2.57	21.39	160.43	1183.58	EVJ-Y96F03B□□
	AC	Y	Plastic	P2J4□□□-ND	2.57	21.39	160.43	1183.58	EVJ-YK6F03□□□
	A	N	Plastic	P2K5□□□-ND	2.51	20.88	156.60	1155.36	EVJ-Y15F03A□□
	D	N	Plastic	P2L6□□□-ND	2.51	20.89	156.67	1155.86	EVJ-Y15F03D□□
10	B	Y	None	P2M7□□□-ND	2.39	19.95	149.63	1103.90	EVJ-C31F25B□□
	AC	Y	None	P2N8□□□-ND	2.39	19.95	149.63	1103.90	EVJ-CV1F25□□□
	A	N	None	P2P9□□□-ND	2.33	19.38	145.35	1072.36	EVJ-C00F25A□□
	D	N	None	P2Q0□□□-ND	2.33	19.38	145.35	1072.36	EVJ-C00F25D□□
11	B	Y	Metal	P2R1□□□-ND	2.73	22.71	170.33	1256.62	EVJ-C51F02B□□
	AC	Y	Metal	P2S2□□□-ND	2.73	22.71	170.33	1256.62	EVJ-CC1F02□□□
	A	N	Metal	P2T3□□□-ND	2.35	19.57	146.79	1082.98	EVJ-C20F02A□□
	D	N	Metal	P2U4□□□-ND	2.35	19.57	146.79	1082.98	EVJ-C20F02D□□
12	B	Y	Plastic	P2W5□□□-ND	2.60	21.66	162.45	1198.52	EVJ-C56F02B□□
	AC	Y	Plastic	P2X6□□□-ND	2.60	21.66	162.45	1198.52	EVJ-CC6F02□□□
	A	N	Plastic	P2Y7□□□-ND	2.53	21.12	158.40	1168.64	EVJ-C25F02A□□
	D	N	Plastic	P2Z8□□□-ND	2.53	21.12	158.40	1168.64	EVJ-C25F02D□□

For complete number, substitute corresponding code (from above chart) for □□□.  
\* Call Digi-Key for help in assembling manufacturer part number. ◆ RoHS Compliant

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