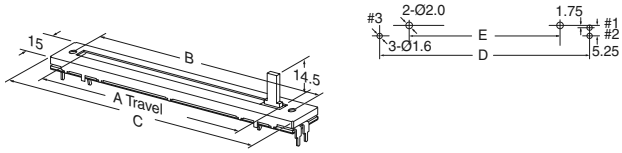
Slide Potentiometers for Audio Mixer Applications

Fig. 1 – Thin Type

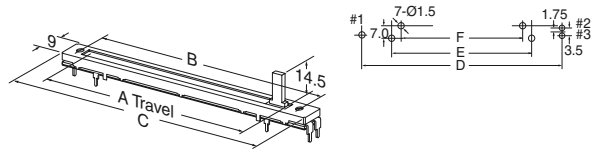
Features: • Thin and compact design with 8mm body height and 15mm width • Light sliding force and excellent operation • Highly accurate attenuation characteristics, maximum attenuation of more than 100dB, and low noise **Recommended Applications:** • Fade control for common type audio mixers



Travel = A	B	C	D	E
100	120	128	127.5	96
60	80	88	87.5	56

Fig. 2 – Mono Type

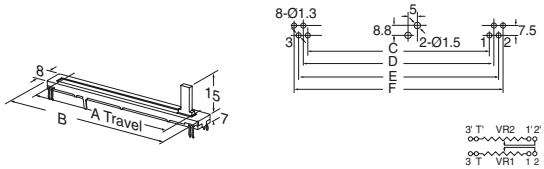
Features: • Slim type fader, 9mm width, 8mm height • Excellent cost performance applicable to audio mixers for amateur use **Recommended Applications:** • Fade control for audio mixers • Multi-Track Recorders • Paper position sensors for copiers



Travel = A	B	C	D	E	F
100	120	128	127.5	92.5	87.5
60	80	88	87.5	52.5	47.5

Fig. 3 – Standard Type

Features: • Excellent operational feeling • Low noise, long operational life, highly accurate attenuation **Recommended Applications:** • Fade control for audio mixers and musical key boards • Heat control or mode switching for car air conditioners • Measurement instruments

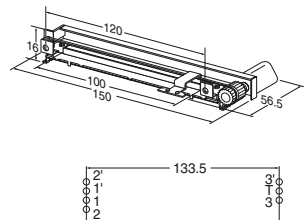


CIRCUIT DIAGRAM
(Note for Single: Do not connect dummy terminal 1' and others 3 and T- short terminals
1', 2', 3' and T'- dummy terminals
Note for Dual: 3 and T- short terminals 3' and T'- short terminals)

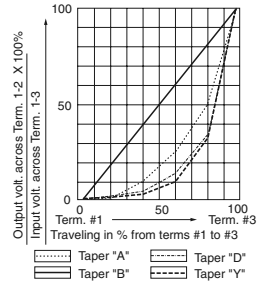
Travel = A	B	C	D	E	F
60	75	64	67	70	73
45	60	49	52	55	58

Fig. 4 – Motor Type

Features: • Excellent operation feeling, high speed driving and power saving design • Dust-proof mounting possible by 90° off set lever design **Recommended Application:** • Automated Audio Mixers (Common/Amateur Type)



Taper



G

Fig.	Resist. (Ω)	Style	Travel (mm)	Single/ Dual	Taper	Digi-Key Part No.	Price Each 1	10	50	100	Panasonic Part No.
1	10K	Thin	100	S	Y	PJQ100SY-ND	8.51	6.81	5.65	5.11	EVA-JQKR15Y14
	10K	Thin	100	S	A	PJQ100SA-ND◆	8.51	6.81	5.65	5.11	EVA-JQKR15A14
	10K	Thin	100	S	D	PJQ100SD-ND	8.51	6.81	5.65	5.11	EVA-JQKR15D14
	10K	Thin	100	S	B	PJQ100SB-ND◆	8.51	6.81	5.65	5.11	EVA-JQLR15B14
	10K	Thin	100	D	Y	PJQ100DY-ND◆	10.88	8.70	7.23	6.53	EVB-JQKR15Y14
	10K	Thin	100	D	A	PJQ100DA-ND	10.88	8.70	7.23	6.53	EVB-JQKR15A14
	10K	Thin	100	D	D	PJQ100DD-ND	10.88	8.70	7.23	6.53	EVB-JQKR15D14
	10K	Thin	60	S	Y	PNA060SY-ND	8.04	6.43	5.34	4.83	EVA-NADR15Y14
	10K	Thin	60	S	A	PNA060SA-ND	8.04	6.43	5.34	4.83	EVA-NADR15A14
	10K	Thin	60	S	D	PNA060SD-ND	8.04	6.43	5.34	4.83	EVA-NADR15D14
	10K	Thin	60	S	B	PNA060SB-ND◆	7.19	5.75	4.78	4.32	EVA-NAHR15B14
	10K	Thin	60	D	Y	PNA060DY-ND	10.40	8.32	6.91	6.24	EVB-NADR15Y14
	10K	Thin	60	D	A	PNA060DA-ND	9.20	7.36	6.11	5.52	EVB-NADR15A14
	10K	Thin	60	D	D	PNA060DD-ND	9.20	7.36	6.11	5.52	EVB-NADR15D14
2	10K	Mono	100	S	Y	PNF100SY-ND◆	7.11	5.69	4.72	4.27	EVA-NF4R15Y14
	10K	Mono	100	S	A	PNF100SA-ND◆	7.11	5.69	4.72	4.27	EVA-NF4R15A14
	10K	Mono	100	S	D	PNF100SD-ND◆	7.11	5.69	4.72	4.27	EVA-NF4R15D14
	10K	Mono	100	S	B	PNF100SB-ND◆	7.09	5.68	4.71	4.26	EVA-NF3R15B14
	10K	Mono	60	S	Y	PNE060SY-ND	7.11	5.69	4.72	4.27	EVA-NE4R15Y14
	10K	Mono	60	S	A	PNE060SA-ND◆	7.11	5.69	4.72	4.27	EVA-NE4R15A14
	10K	Mono	60	S	D	PNE060SD-ND◆	7.11	5.69	4.72	4.27	EVA-NE4R15D14
	10K	Mono	60	S	B	PNE060SB-ND	6.15	4.92	4.09	3.69	EVA-NE3R15B14
3	10K	Standard	60	S	A	PQ1060SA-ND	3.31	2.65	2.20	1.99	EWA-Q10C15A14
	10K	Standard	60	S	D	PQ1060SD-ND	3.31	2.65	2.20	1.99	EWA-Q10C15D14
	10K	Standard	60	S	B	PQ1060SB-ND◆	3.31	2.65	2.20	1.99	EWA-Q12C15B14
	10K	Standard	60	D	A	PQ3060DA-ND◆	4.02	3.22	2.67	2.42	EWA-Q30C15A14
	10K	Standard	60	D	D	PQ3060DD-ND◆	4.02	3.22	2.67	2.42	EWA-Q30C15D14
	10K	Standard	45	S	A	PP1045SA-ND	2.84	2.27	1.89	1.71	EWA-P10C15A14
	10K	Standard	45	S	D	PP1045SD-ND◆	2.84	2.27	1.89	1.71	EWA-P10C15D14
	10K	Standard	45	S	B	PP1045SB-ND◆	2.84	2.27	1.89	1.71	EWA-P12C15B14
	10K	Standard	45	D	A	PP3045DA-ND◆	3.55	2.84	2.36	2.13	EWA-P30C15A14
	10K	Standard	45	D	D	PP3045DD-ND◆	3.55	2.84	2.36	2.13	EWA-P30C15D14
4	10K	Motor	100	S	Y	PNC100SY-ND◆	41.64	37.63	35.13	33.37	EVB-NC2P088BL

◆ ***RoHS Compliant***

Linear Position Sensors

RoHS COMPLIANT

Features: • High-performance sensor • Linearity ± 0.5% (EVAJ-Type) ± 0.2% (EVAW-Type) • Long life and high resolution

Specifications: • Voltage Rating: 5VDC maximum • Taper: B (EIAJ 1B) • Operating force 0.25 N for EVA-W, 0.5 N for EVA-J

Recommended Applications: • Detection of camera/camcorder lens positions • Detection of seat positions for automobiles • Detection of positions in tilt and telescopic mechanisms for automobiles • Detection of headlight angle for automobiles

Fig.	Total Resistance	Travel (mm)	Operating Life	Digi-Key Part No.	Price Each 1	10	100	Panasonic Part No.
1	10KΩ ± 30%	32.0	100K Cycles	P12338-ND	2.03	1.63	1.35	EVA-JGTJ20B14
2	30KΩ ± 30%	9.0	20K Cycles	P13569-ND	1.34	1.08	.89	EVA-W7NR04B34

Fig. 1

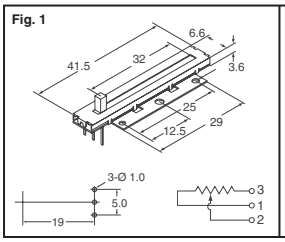


Fig. 2