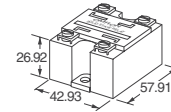


OMRON Power Solid State Relays (Cont.)

Fig.	Contact Form	Input Voltage	Output Voltage (Peak)	Output Current	Features	Digi-Key Part No.	1	Price Each	50	Omron Part No.
8	SPST-NO	5 - 24VDC	19 - 264VAC	.1 - 40A	Zero Cross	Z172-ND	28.45	25.61	22.77	G3NA-240B-DC5-24
		100 - 120VAC	19 - 264VAC	.1 - 40A		Z173-ND	31.72	28.55	25.38	G3NA-240B-AC100-240
		200 - 240VAC	19 - 264VAC	.1 - 40A		Z174-ND	31.72	28.55	25.38	G3NA-240B-AC200-240
	SPST-NO	5 - 24VDC	19 - 264VAC	.1 - 75A	Zero Cross	Z2068-ND	56.92	51.23	45.54	G3NA-275B-UTU-AC100-240
		100 - 120VAC	19 - 264VAC	.1 - 90A		Z2070-ND	60.08	—	—	G3NA-290B-UTU-DC5-24
		200 - 240VAC	19 - 264VAC	.1 - 90A		Z2069-ND	60.08	—	—	G3NA-290B-UTU-AC100-240
	SPST-NO	5 - 24VDC	180 - 528VAC	.2 - 20A	Zero Cross	Z2586-ND	36.45	32.81	29.16	G3NA-420B-DC5-24
		100 - 120VAC	180 - 528VAC	.2 - 20A		Z2585-ND	41.28	37.16	33.03	G3NA-420B-AC100-240
		200 - 240VAC	180 - 528VAC	.2 - 40A		Z2588-ND	48.31	43.48	38.65	G3NA-440B-DC5-24
	SPST-NO	5 - 24VDC	180 - 528VAC	.2 - 40A	Zero Cross	Z2587-ND	51.63	46.48	41.31	G3NA-440B-AC100-240
		100 - 120VAC	19 - 440VAC	.1 - 75A		Z2071-ND	66.40	59.76	53.12	G3NA-475B-UTU-DC5-24
		200 - 240VAC	19 - 440VAC	.1 - 75A		Z2072-ND	66.40	59.76	53.12	G3NA-475B-UTU-AC100-240
8	SPST-NO	5 - 24VDC	4 - 220VDC	.1 - 10A	DC Type	Z168-ND	25.05	22.56	20.05	G3NA-D210B-DC5-24
		100 - 120VAC	4 - 220VDC	.1 - 10A		Z169-ND	26.03	23.44	20.83	G3NA-D210B-AC100-240
G3NA-D2 Series										
Accessories — RoHS Compliant										
9	Track Mount Heat Sink for up to 10A Relays (77 x 44mm)					Z924-ND	9.52	8.57	7.62	Y92B-N50
	Track Mount Heat Sink for 25A Relays (88.90 x 77mm)					Z925-ND	15.39	13.86	12.32	Y92B-N100
	Track Mount Heat Sink for 40A Relays (100 x 104mm)					Z926-ND	21.00	18.91	16.61	Y92B-N150
	Chassis Mount Heat Sink for 25A (100 x 100mm)					Z927-ND	10.31	9.28	8.25	Y92B-A100
	Chassis Mount Heat Sink for 40A (150 x 100.5mm)					Z928-ND	15.39	13.86	12.32	Y92B-A150N
Optional Din Rail Mount Bracket for use with G3NA Relays						Z2251-ND	14.72	13.25	11.78	R99-12 FOR G3NA

◆ RoHS Compliant

Fig. 8 — G3NA Series



Features: Built-in varistor effectively absorbs external surges
 • Protective cover for greater safety is standard • Operation indicator (red LED) is standard
Characteristic Data: • Leakage Current: 5mA maximum (at 100VAC), 10mA maximum (at 200VAC) • Operating Temperature: -30°C - 80°C
 UTU models are VDE approved

Fig. 9 — Accessories



Omron heat sinks are designed to dissipate heat buildup during normal operation. Prepped holes allow exact placement. Heat sink grease or a similar product should be used at the time of placement.

NEC / **CEL** California Eastern Laboratories **OCMOS FET Solid State Relays**



Fig.	V load V	I load mA	PD mW	Ron Ω	t _{on} ms	t _{off} ms	Output Type	Package	Digi-Key Part No.	1	Price Each	100	Digi-Key Part No.	Tape and Reel Qty.	Pricing
1	60	1800	560	0.2	3.0	1.0	1ch NO	Dip	PS710A-1AA-ND	4.56	4.10	3.50	—	—	—
1	60	1800	560	0.2	3.0	1.0	1ch NO	SMT	PS710AL-1AA-ND	4.74	4.27	3.64	—	—	—
1	60	2500	625	0.1	5.0	0.2	1ch NO	Dip	PS710B-1A-ND	4.76	4.28	3.65	—	—	—
1	60	2500	625	0.1	5.0	0.2	1ch NO	SMT	PS710BL-1A-ND	5.77	5.20	4.43	PS710BL-1ATR-ND	1,000	2982.41
1	80	2000	600	0.15	2.0	0.2	1ch NO	Dip	PS710E-1A-A-ND	5.72	5.15	4.39	—	—	—
1	80	2000	600	0.15	2.0	0.2	1ch NO	SMT	PS710EL-1A-ND	5.81	5.23	4.46	PS710EL-1ATR-ND	1,000	3001.28
1	100	350	560	2.5	3.0	0.2	1ch NO	Dip	PS7113-1AA-ND	2.61	2.36	2.01	—	—	—
1	100	350	560	2.5	3.0	0.2	1ch NO	SMT	PS7113L-1AA-ND	2.45	2.21	1.88	—	—	—
2	100	350	375	2.5	3.0	0.2	2ch NO	Dip	PS7113-2AA-ND	6.99	6.29	5.36	—	—	—
2	100	350	375	2.5	3.0	0.2	2ch NO	SMT	PS7113L-2AA-ND	3.87	3.48	2.97	—	—	—
1	250	200	560	8.0	1.5	0.2	1ch NO	Dip	PS7122A-1A-A-ND	3.05	2.75	2.34	—	—	—
1	250	200	560	8.0	1.5	0.2	1ch NO	SMT	PS7122AL-1A-ND	2.29	2.06	1.76	PS7122AL-1ATR-ND	1,000	937.19
1	250	200	560	8.0	0.2	1.5	1ch NC	Dip	PS7122A-1B-A-ND	3.01	2.72	2.31	—	—	—
1	250	200	560	8.0	0.2	1.5	1ch NC	SMT	PS7122AL-1B-ND	2.38	2.14	1.83	PS7122AL-1BTR-ND	1,000	1151.44
2	250	200	375	8.0	1.5	0.2	2ch NO	Dip	PS7122A-2A-A-ND	4.23	3.81	3.25	—	—	—
2	250	200	375	8.0	1.5	0.2	2ch NO	SMT	PS7122AL-2A-ND	4.27	3.84	3.27	PS7122AL-2ATR-ND	1,000	2199.05
2	250	200	375	8.0	0.2	1.5	2ch NC	Dip	PS7122A-2B-A-ND	6.35	5.72	4.88	—	—	—
2	250	200	375	8.0	1.5/0.2	0.2/1.5	1a + 1b	Dip	PS7122A-1C-A-ND	4.50	4.06	3.46	—	—	—
1	400	150	560	30.0	1.0	0.2	1ch NO	Dip	PS7141-1AA-ND	1.72	1.44	1.22	—	—	—
1	400	150	560	24.0	0.02	0.2	1ch NC	Dip	PS7141-1BA-ND	1.87	1.69	1.44	—	—	—
2	400	150	375	24.0	0.02	0.2	1a & 1b	Dip	PS7141-1CA-ND	3.94	3.55	3.02	—	—	—
2	400	150	375	30.0	1.0	0.2	2ch NO	Dip	PS7141-2AA-ND	3.59	3.24	2.76	—	—	—
2	400	150	375	24.0	0.02	0.2	2ch NO	Dip	PS7141-2BA-ND	4.60	4.14	3.53	—	—	—
2	400	120	375	35.0	2.0	1.0	2ch NO	Dip	PS7141C-2A-A-ND	4.32	3.89	3.32	—	—	—
2	400	120	375	35.0	2.0	1.0	2ch NO	SMT	PS7141CL-2A-ND	5.43	4.89	4.17	PS7141CL-2ATR-ND	1,000	2236.81
1	400	120	240	50.0	1.0	0.2	1ch NO	Dip	PS7141E-1A-A-ND	1.22	1.02	.86	—	—	—
1	400	120	240	50.0	1.0	0.2	1ch NO	SMT	PS7141EL-1A-ND	1.55	1.30	1.10	PS7141EL-1ATR-ND	1,000	774.28
1	400	150	560	30.0	1.0	0.2	1ch NO	SMT	PS7141L-1AA-ND	1.61	1.46	1.24	—	—	—
1	400	150	560	24.0	0.02	0.2	1ch NC	SMT	PS7141L-1BA-ND	1.96	1.77	1.51	—	—	—
2	400	150	375	24.0	0.02	0.2	2ch NC	SMT	PS7141L-2BA-ND	3.63	3.27	2.79	—	—	—
1	400	200	560	10.0	5.0	0.2	1ch NO	Dip	PS7142-1AA-ND	2.25	2.03	1.73	—	—	—
1	400	200	560	12.0	0.2	5.0	1ch NC	Dip	PS7142-1B-A-ND	3.81	3.43	2.93	—	—	—
2	400	200	375	12.0	2.0	0.2	1a + 1b	SMT	PS7142-1C-A-ND	6.35	5.72	4.88	—	—	—
2	400	200	375	12.0	2.0	0.2	2ch NO	Dip	PS7142-2A-A-ND	6.03	5.43	4.62	—	—	—
1	400	200	560	10.0	5.0	0.2	1ch NO	SMT	PS7142L-1AA-ND	2.29	2.06	1.76	—	—	—
1	400	200	560	12.0	0.2	5.0	1ch NC	SMT	PS7142L-1B-ND	3.81	3.43	2.93	PS7142L-1BTR-ND	1,000	1670.53
2	400	200	375	12.0	2.0/2	0.2/2	1a + 1b	SMT	PS7142L-1C-ND	6.45	5.80	4.94	—	—	—
2	400	200	375	12.0	2.0	0.2	2ch NO	SMT	PS7142L-2A-ND	4.25	3.83	3.26	PS7142L-2ATR-ND	1,000	1925.35
1	600	90	560	50.0	1.5	0.2	1ch NO	Dip	PS7160-1AA-ND	3.48	3.14	2.68	—	—	—
2	600	90	375	50.0	1.5	0.2	2ch NO	Dip	PS7160-2AA-ND	7.59	6.83	5.82	—	—	—
2	600	90	375	50.0	1.5	0.2	2ch NO	SMT	PS7160L-2AA-ND	5.99	5.40	4.60	—	—	—
3	60	600	300	0.8	2.0	0.5	1ch NO	SOP	PS7206-1AA-ND	2.85	2.57	2.19	—	—	—
3	100	400	300	1.2	2.0	1.0	1ch NO	SOP	PS7214-1AA-ND	2.61	2.36	2.01	—	—	—
3	400	120	300	30.0	2.0	0.2	1ch NO	SOP	PS7241-1AA-ND	1.76	1.47	1.24	—	—	—
3	400	120	300	30.0	0.2	2.0	1ch NC	SOP	PS7241-1BA-ND	3.48	3.14	2.68	—	—	—
3	40	100	100	12.0	0.5	0.2	1ch NO	SOP	PS7200A-1AA-ND	3.91	3.52	3.00	PS7200A-1ATR-ND	3,500	2000.86/M
3	40	250	100	1.5	1.0	0.2	1ch NO	SOP	PS7200B-1AA-ND	4.83	4.35	3.71	PS7200B-1ATR-ND	3,500	2491.64/M
3	40	250	100	1.6	1.0	0.5	1ch NO	SOP	PS7200E-1AA-ND	6.10	5.49	4.68	—	—	—
3	40	160	100	3.5	0.5	1.0	1ch NO	SOP	PS7200H-1AA-ND	5.48	4.94	4.21	PS7200H-1ATR-ND	3,500	2821.97/M
3	40	200	100	2.0	0.5	1.0	1ch NO	SOP	PS7200K-1AA-ND	5.48	4.94	4.21	PS7200K-1ATR-ND	3,500	2821.97/M
3	40	120	200	12.5	0.5	1.0	1ch NO	SOP	PS7200R-1AA-ND	3.16	2.85	2.43	PS7200R-1ATR-ND	3,500	1623.34/M
3	80	500	300	1.2	0.5	0.5	1ch NO	SOP	PS7205B-1A-ND	4.76	4.28	3.65	PS7205B-1ATR-ND	3,500	2453.88/M
3	400	120	300	30.0	2.0	0.2	1ch NO	SOP	PS7241-1A-F3-ACT-ND	1.47	1.24	1.04	PS7241-1A-F3-ATR-ND	3,500	639.90/M
2	400	120	180	30.0	1/0.2	0.2/1	1a + 1b	SOP	PS7241-1C-ND	8.01	7.21	6.14	PS7241-1CTR-ND	1,500	4143.28/M
2	400	120	180	30.0	1.0	0.2	2ch NO	SOP	PS7241-2AA-ND	5.08	4.58	3.90	PS7241-2AATR-ND	1,500	2387.82/M
2	400	120	180	30.0	0.2	1.0	2ch NC	SOP	PS7241-2B-ND	3.76	3.39	2.89	PS7241-2BTR-ND	1,500	1934.80/M
3	400	120	300												