

# PANASONIC Low Signal Relays

**Panasonic**

Panasonic Electric Works Corporation of America

RoHS Compliant **This product is RoHS compliant.**

Panasonic signal relays are RoHS compliant and offer high-reliability and space-saving solutions for today's applications in telecom, WiFi, handheld devices, instrumentation, and ATE. Panasonic is the leading provider of signal relays in North America (VDC 2004).

## DS SERIES

### Features:

- Bifurcated contacts are standard
- High sensitivity 1500V FCC surge withstanding

- High switching capacity: 60W, 125VA

### Applications:

- Office equipment
- Security equipment

- Telecommunication equipment
- RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
<b>Non-Latching</b>										
769-DS1E-S-DC3V	DS1E-S-DC3V	A1	2	3	1 Form C	PCB	7.20	6.48	5.76	5.18
769-DS1E-SL-DC12V	DS1E-SL-DC12V	A2	2	12	1 Form C	PCB	8.03	7.22	6.42	5.78
769-DS1E-SL-DC24V	DS1E-SL-DC24V	A2	2	24	1 Form C	PCB	8.03	7.22	6.42	5.78
769-DS1E-SL-DC3V	DS1E-SL-DC3V	A2	2	3	1 Form C	PCB	8.00	7.20	6.40	5.76
769-DS1E-SL-DC5V	DS1E-SL-DC5V	A2	2	5	1 Form C	PCB	8.00	7.20	6.40	5.76
769-DS2E-S-DC1.5V	DS2E-S-DC1.5V	A2	2	1.5	2 Form C	PCB	4.43	3.98	3.54	3.19
769-DS2E-S-DC48V-TB	DS2E-S-DC48V-TB	A2	2	---	2 Form C	PCB	6.00	5.40	4.80	4.32
769-DS1E-M-DC12V	DS1E-M-DC12V	A1	2	12	1 Form C	PCB	4.44	4.00	3.64	3.33
769-DS1E-M-DC24V	DS1E-M-DC24V	A1	2	24	1 Form C	PCB	4.75	4.57	4.06	3.45
769-DS1E-M-DC3V	DS1E-M-DC3V	A1	2	3	1 Form C	PCB	4.98	4.57	4.06	3.45
769-DS1E-M-DC48V	DS1E-M-DC48V	A1	2	48	1 Form C	PCB	6.34	5.82	5.17	4.39
769-DS1E-M-DC5V	DS1E-M-DC5V	A1	2	5	1 Form C	PCB	3.92	3.72	3.41	3.21
769-DS1E-M-DC9V	DS1E-M-DC9V	A1	2	9	1 Form C	PCB	4.98	4.57	4.06	3.45
769-DS1E-S-DC12V	DS1E-S-DC12V	A1	2	12	1 Form C	PCB	6.68	6.45	5.72	4.86
769-DS1E-S-DC24V	DS1E-S-DC24V	A1	2	24	1 Form C	PCB	6.68	6.45	5.72	4.86
769-DS1E-S-DC48V	DS1E-S-DC48V	A1	2	48	1 Form C	PCB	9.26	8.50	7.55	6.42
769-DS1E-S-DC5V	DS1E-S-DC5V	A1	2	5	1 Form C	PCB	6.68	6.45	5.72	4.86
769-DS1E-S-DC6V	DS1E-S-DC6V	A1	2	6	1 Form C	PCB	7.01	6.45	5.72	4.86
769-DS1E-S-DC9V	DS1E-S-DC9V	A1	2	9	1 Form C	PCB	7.01	6.45	5.72	4.86
769-DS2E-M-DC12V	DS2E-M-DC12V	A2	2	12	2 Form C	PCB	3.33	3.18	2.83	2.40
769-DS2E-M-DC12V-R	DS2E-M-DC12V-R	A2	2	12	2 Form C	PCB	3.47	3.18	2.83	2.40
769-DS2E-M-DC24V	DS2E-M-DC24V	A2	2	24	2 Form C	PCB	3.33	3.18	2.83	2.40
769-DS2E-M-DC3V	DS2E-M-DC3V	A2	2	3	2 Form C	PCB	3.47	3.18	2.83	2.40
769-DS2E-M-DC48V	DS2E-M-DC48V	A2	2	48	2 Form C	PCB	4.19	3.98	3.53	3.00
769-DS2E-M-DC5V	DS2E-M-DC5V	A2	2	5	2 Form C	PCB	3.33	3.18	2.83	2.40
769-DS2E-M-DC9V	DS2E-M-DC9V	A2	2	9	2 Form C	PCB	3.47	3.18	2.83	2.40
769-DS2E-S-DC12V	DS2E-S-DC12V	A2	2	12	2 Form C	PCB	4.16	3.95	3.50	2.98
769-DS2E-S-DC24V	DS2E-S-DC24V	A2	2	24	2 Form C	PCB	4.16	3.95	3.50	2.98
769-DS2E-S-DC3V	DS2E-S-DC3V	A2	2	3	2 Form C	PCB	4.31	3.95	3.50	2.98
769-DS2E-S-DC48V	DS2E-S-DC48V	A2	2	48	2 Form C	PCB	5.57	5.37	4.77	4.05
769-DS2E-S-DC5V	DS2E-S-DC5V	A2	2	5	2 Form C	PCB	4.16	3.95	3.50	2.98
769-DS2E-S-DC6V	DS2E-S-DC6V	A2	2	6	2 Form C	PCB	4.31	3.95	3.50	2.98
769-DS2E-S-DC9V	DS2E-S-DC9V	A2	2	9	2 Form C	PCB	4.31	3.95	3.50	2.98
769-DS2Y-S-DC12V	DS2Y-S-DC12V	A2	2	12	2 Form C	PCB	2.81	2.58	2.30	1.95
769-DS2Y-S-DC24V	DS2Y-S-DC24V	A2	2	24	2 Form C	PCB	2.82	2.68	2.38	2.02
769-DS2Y-S-DC48V	DS2Y-S-DC48V	A2	2	48	2 Form C	PCB	3.91	3.59	3.19	2.71
769-DS2Y-S-DC5V	DS2Y-S-DC5V	A2	2	5	2 Form C	PCB	2.81	2.58	2.30	1.95
769-DS2Y-S-DC6V	DS2Y-S-DC6V	A2	2	6	2 Form C	PCB	2.82	2.58	2.30	1.95
769-DS2Y-S-DC9V	DS2Y-S-DC9V	A2	2	9	2 Form C	PCB	2.82	2.58	2.30	1.95
769-DS4E-M-DC12V	DS4E-M-DC12V	A3	2	12	4 Form C	PCB	8.72	8.00	7.11	6.03
769-DS4E-M-DC48V	DS4E-M-DC48V	A3	2	48	4 Form C	PCB	8.72	8.00	7.11	6.03
769-DS4E-M-DC5V	DS4E-M-DC5V	A3	2	5	4 Form C	PCB	8.72	8.00	7.11	6.03
769-DS4E-S-DC12V	DS4E-S-DC12V	A3	2	12	4 Form C	PCB	9.86	9.06	8.04	6.83
769-DS4E-S-DC24V	DS4E-S-DC24V	A3	2	24	4 Form C	PCB	9.86	9.06	8.04	6.83
769-DS4E-S-DC5V	DS4E-S-DC5V	A3	2	5	4 Form C	PCB	9.86	9.06	8.04	6.83
<b>Latching</b>										
769-DS2E-SL-DC12V	DS2E-SL-DC12V	A2	2	12	2 Form C	PCB	4.93	4.52	4.02	3.41
769-DS2E-SL-DC5V	DS2E-SL-DC5V	A2	2	5	2 Form C	PCB	4.93	4.52	4.02	3.41
<b>Dual Coil Latching</b>										
769-DS1E-ML-DC12V	DS1E-ML-DC12V	A4	2	12	1 Form C	PCB	5.95	5.36	4.76	4.28
769-DS1E-ML-DC24V	DS1E-ML-DC24V	A4	2	24	1 Form C	PCB	5.95	5.36	4.76	4.28
769-DS1E-ML-DC5V	DS1E-ML-DC5V	A4	2	5	1 Form C	PCB	5.95	5.36	4.76	4.28
769-DS2E-ML2-DC48V	DS2E-ML2-DC48V	A4	2	48	2 Form C	PCB	5.65	5.09	4.52	4.07
769-DS2E-ML2-DC9V	DS2E-ML2-DC9V	A4	2	9	2 Form C	PCB	4.23	3.80	3.38	3.04
769-DS4E-S-DC24V	DS4E-S-DC24V	A5	2	24	4 Form C	PCB	9.86	9.06	8.04	6.83
769-DS4E-S-DC5V	DS4E-S-DC5V	A5	2	5	4 Form C	PCB	9.86	9.06	8.04	6.83
769-DS1E-ML2-DC12V	DS1E-ML2-DC12V	A4	2	12	1 Form C	PCB	5.56	5.10	4.53	3.85
769-DS1E-ML2-DC24V	DS1E-ML2-DC24V	A4	2	24	1 Form C	PCB	5.56	5.10	4.53	3.85
769-DS1E-ML2-DC5V	DS1E-ML2-DC5V	A4	2	5	1 Form C	PCB	4.73	4.23	4.01	3.82
769-DS1E-ML2-DC6V	DS1E-ML2-DC6V	A4	2	6	1 Form C	PCB	5.56	5.10	4.53	3.85
769-DS1E-SL2-DC3V	DS1E-SL2-DC3V	A4	2	3	1 Form C	PCB	7.57	6.95	6.17	5.24
769-DS2E-ML2-DC12V	DS2E-ML2-DC12V	A5	2	12	2 Form C	PCB	3.98	3.78	3.35	2.85
769-DS2E-ML2-DC24V	DS2E-ML2-DC24V	A5	2	24	2 Form C	PCB	3.98	3.78	3.35	2.85
769-DS2E-ML2-DC3V	DS2E-ML2-DC3V	A5	2	3	2 Form C	PCB	4.13	3.78	3.35	2.85
769-DS2E-ML2-DC5V	DS2E-ML2-DC5V	A5	2	5	2 Form C	PCB	3.98	3.78	3.35	2.85
769-DS2E-SL2-DC12V	DS2E-SL2-DC12V	A5	2	12	2 Form C	PCB	4.67	4.02	3.81	3.50
769-DS2E-SL2-DC24V	DS2E-SL2-DC24V	A5	2	24	2 Form C	PCB	4.86	4.67	4.15	3.53
769-DS2E-SL2-DC48V	DS2E-SL2-DC48V	A5	2	48	2 Form C	PCB	6.08	5.58	4.96	4.21
769-DS2E-SL2-DC5V	DS2E-SL2-DC5V	A5	2	5	2 Form C	PCB	4.86	4.67	4.15	3.53
769-DS2E-SL2-DC6V	DS2E-SL2-DC6V	A5	2	6	2 Form C	PCB	5.09	4.67	4.15	3.53
769-DS2E-SL2-DC9V	DS2E-SL2-DC9V	A5	2	9	2 Form C	PCB	5.09	4.67	4.15	3.53
769-DS4E-ML2-DC12V	DS4E-ML2-DC12V	A6	2	12	4 Form C	PCB	9.76	8.96	7.96	6.76
769-DS4E-SL2-DC12V	DS4E-SL2-DC12V	A6	2	12	4 Form C	PCB	11.49	10.55	9.37	7.96

## HY SERIES

### Features:

- Non-Polarized
- Sealed Construction
- High sensitivity: 150mW/200mW



RoHS Compliant For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-HY1-12V	HY1-12V	B	1	12	1 Form C	PCB	3.37	3.09	2.74	2.33
769-HY1-24V	HY1-24V	B	1	24	1 Form C	PCB	4.22	3.88	3.44	2.93
769-HY1-3V	HY1-3V	B	1	3	1 Form C	PCB	3.37	3.09	2.74	2.33
769-HY1-5V	HY1-5V	B	1	5	1 Form C	PCB	3.37	3.09	2.74	2.33
769-HY1Z-12V	HY1Z-12V	B	1	12	1 Form C	PCB	3.08	2.82	2.51	2.12
769-HY1Z-24V	HY1Z-24V	B	1	24	1 Form C	PCB	3.73	3.42	3.04	2.58
769-HY1Z-5V	HY1Z-5V	B	1	5	1 Form C	PCB	3.08	2.82	2.51	2.12

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