

**G5A SERIES: SMALL 1A DPDT LOW SIGNAL RELAYS**

- Features:**
- Omron's unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
  - Low power consumption
  - Bifurcated crossbar assures highly reliable switching of loads as low as 10mVDC, 0.1mA

- Specifications:**
- Contact resistance: 50mΩ max.
  - Contact material: Ag (Au clad)
  - Power consumption: 200mW



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
<b>Sealed Construction</b>									
653-G5A-234P-DC5	G5A-234P-DC5	A1	40 mA	5	125	4.83	3.86	3.40	3.06
653-G5A-234P-DC12	G5A-234P-DC12	A1	16.7 mA	12	720	4.83	3.86	3.40	3.06
653-G5A-234P-DC24	G5A-234P-DC24	A1	8.3 mA	24	2880	4.83	3.86	3.40	3.06
<b>Vented Construction</b>									
653-G5A-237P-DC5	G5A-237P-DC5	A1	40 mA	5	125	4.54	3.56	3.14	2.83
653-G5A-237P-DC12	G5A-237P-DC12	A1	16.7 mA	12	720	4.54	3.56	3.14	2.83
653-G5A-237P-DC24	G5A-237P-DC24	A1	8.3 mA	24	2880	4.58	3.66	3.23	2.91

**OMRON G5V-1 SERIES: SMALL 1A SPDT LOW SIGNAL RELAYS**

- Features:**
- Ideal for use in telecommunications, security, and computer/peripheral equipment
  - Conforms to FCC part 68 voltage surge
  - Fully sealed construction

- Specifications:**
- Contact resistance: 100mΩ max.
  - Contact material: Ag (Au clad)
  - Power consumption: 150mW



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
653-G5V-1-DC5	G5V-1-DC5	B2	30 mA	5	166.7	2.54	2.03	1.79	1.61
653-G5V-1-DC12	G5V-1-DC12	B2	12.5 mA	12	960	2.54	2.03	1.79	1.61
653-G5V-1-DC24	G5V-1-DC24	B2	6.3 mA	24	3840	2.54	2.03	1.79	1.61

**OMRON G5V-2 SERIES: GENERAL USAGE 2A DPDT LOW SIGNAL RELAYS**

- Features:**
- Ideal for use in telecommunications, security, and computer/peripheral equipment
  - Conforms to FCC part 68 voltage surge
  - Fully sealed construction
  - Conforms to FCC part 68 voltage surge

- Specifications:**
- Contact resistance: 50mΩ max.
  - Power consumption: Standard type - 500 mW; High-Sensitivity type - 360 mW; Ultra-sensitive type - 150 mW



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
<b>Standard Type</b>									
653-G5V-2-DC5	G5V-2-DC5	C3	100 mA	5	50	3.13	2.50	2.21	1.99
653-G5V-2-DC12	G5V-2-DC12	C3	41.7 mA	12	288	3.13	2.50	2.21	1.99
653-G5V-2-DC24	G5V-2-DC24	C3	20.8 mA	24	1152	3.13	2.50	2.21	1.99
<b>High-Sensitivity Type</b>									
653-G5V-2-H-DC5	G5V-2-H-DC5	C3	72 mA	5	70	3.36	2.68	2.37	2.13
653-G5V-2-H-DC12	G5V-2-H-DC12	C3	30 mA	12	400	3.36	2.68	2.37	2.13
653-G5V-2-H-DC24	G5V-2-H-DC24	C3	15 mA	24	1600	3.36	2.68	2.37	2.13
<b>Ultra-Sensitive Type</b>									
653-G5V-2-H1-DC5	G5V-2-H1-DC5	C3	30 mA	5	166.7	3.45	2.76	2.43	2.19
653-G5V-2-H1-DC12	G5V-2-H1-DC12	C3	12.5 mA	12	960	3.45	2.76	2.43	2.19
653-G5V-2-H1-DC24	G5V-2-H1-DC24	C3	8.3 mA	24	2880	3.45	2.76	2.43	2.19

**OMRON G6A SERIES: HIGH RELIABILITY 3A LOW SIGNAL RELAYS**

- Features:**
- Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
  - High sensitivity allowing for digital circuitry control
  - Due to low magnetic leakage, units can be mounted side by side.
  - Low profile design allows use in 12.70mm PC board rack
  - Conforms to FCC part 68 voltage surge

- Specifications:**
- Contact form: G6A-234P, G6A-274P and G6AK-234P - DPDT; G6A-434P - 4PDT
  - Contact material: G6A-234P and G6A-434P AgPd (Au clad); G6A-274P Ag(Au clad)
  - Power consumption: DPDT non-latching coil - 200 mW; 4PDT non-latching coil - 360 mW; DPDT latching dual coil - 180mW



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
<b>DPDT Standard Non-Latching Coil</b>									
653-G6A-234P-DC5	G6A-234P-ST-US-DC5	D4	40 mA	5	125	5.15	4.08	3.65	3.22
653-G6A-234P-DC12	G6A-234P-ST-US-DC12	D4	16.7 mA	12	720	5.15	4.08	3.65	3.22
653-G6A-234P-DC24	G6A-234P-ST-US-DC24	D4	8.3 mA	24	2880	5.15	4.08	3.65	3.22
653-G6A-274P-DC5	G6A-274P-ST-US-DC5	D4	40 mA	5	125	5.15	4.08	3.65	3.22
653-G6A-274P-DC12	G6A-274P-ST-US-DC12	D4	16.7 mA	12	720	5.15	4.08	3.65	3.22
653-G6A-274P-DC24	G6A-274P-ST-US-DC24	D4	8.3 mA	24	2880	5.15	4.08	3.65	3.22
<b>4PDT Standard Non-Latching Coil</b>									
653-G6A-434P-DC5	G6A-434P-ST-US-DC5	E6	72.5 mA	5	69	11.14	8.90	7.85	7.07
653-G6A-434P-DC12	G6A-434P-ST-US-DC12	E6	30 mA	12	400	11.14	8.90	7.85	7.07
653-G6A-434P-DC24	G6A-434P-ST-US-DC24	E6	15 mA	24	1600	11.14	8.90	7.85	7.07
<b>DPDT Standard Latching Dual Coil</b>									
653-G6AK-234P-DC5	G6AK-234P-ST-US-DC5	D5	36 mA	5	139	6.46	5.16	4.55	4.10
653-G6AK-234P-DC12	G6AK-234P-ST-US-DC12	D5	15 mA	12	800	6.46	5.16	4.55	4.10
653-G6AK-234P-DC24	G6AK-234P-ST-US-DC24	D5	7.5 mA	24	3200	6.46	5.16	4.55	4.10

**OMRON G6E SERIES: 3A SPDT LOW SIGNAL RELAYS**

- Features:**
- High sensitivity allowing for digital circuitry control
  - Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
  - Conforms to FCC part 68 voltage surge
  - Bifurcated crossbar assures high reliability
  - Highly resistant to shock and vibration

- Specifications:**
- Contact resistance: 50mΩ max.
  - Contact material: Ag (Au clad)
  - Power consumption: Standard coil - 200mW; Low-sensitivity coil - 400mW



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
<b>Standard Non-Latching Coil</b>									
653-G6E-134P-DC5	G6E-134P-ST-US-DC5	F7	40 mA	5	125	4.43	3.54	3.12	2.81
653-G6E-134P-DC12	G6E-134P-ST-US-DC12	F7	16.7 mA	12	720	4.43	3.54	3.12	2.81
653-G6E-134P-DC24	G6E-134P-ST-US-DC24	F7	8.3 mA	24	2880	4.43	3.54	3.12	2.81
<b>Low-sensitivity Non-Latching Coil</b>									
653-G6E-134PL-DC5	G6E-134PL-ST-US-DC5	F7	79.4 mA	5	63	4.25	3.40	3.00	2.70
653-G6E-134PL-DC12	G6E-134PL-ST-US-DC12	F7	33.3 mA	12	360	4.25	3.40	3.00	2.70
653-G6E-134PL-DC24	G6E-134PL-ST-US-DC24	F7	16.7 mA	24	1440	4.25	3.40	3.00	2.70
<b>Standard Latching Dual Coil</b>									
653-G6EK-134P-DC5	G6EK-134P-ST-US-DC5	F8	40 mA	5	125	5.73	4.58	4.04	3.64
653-G6EK-134P-DC12	G6EK-134P-ST-US-DC12	F8	16.7 mA	12	720	5.73	4.58	4.04	3.64
653-G6EK-134P-DC24	G6EK-134P-ST-US-DC24	F8	8.3 mA	24	2880	5.73	4.58	4.04	3.64

**DIMENSIONS (mm)**

**A**

**B**

**C**

**D**

**E**

**F**

**TERMINAL ARRANGEMENT**

**1**

**2**

**3**

**4**

**5**

**6**

**7**

**8**