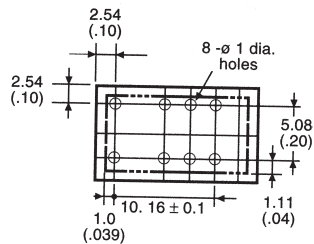


TERMINAL ARRANGEMENT/ INTERNAL CONNECTIONS (BOTTOM VIEW)



MOUNTING HOLES (BOTTOM VIEW)

## OMRON G6S-SERIES

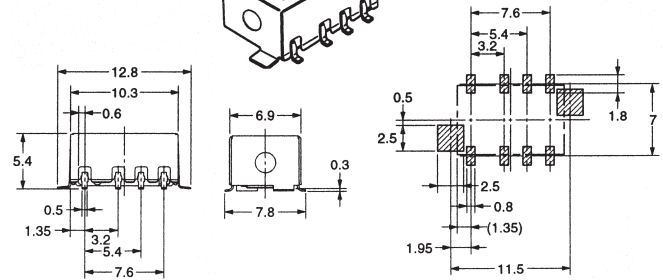
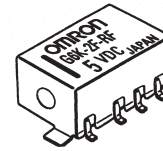
### FEATURES:

- Third generation surface mount design
- Design is based on worldwide telecommunications, data communications, computer peripheral and office automation relay requirements
- High dielectric withstand voltage of 2,000 VAC between coil and contacts (standard type)
- Meets FCC Part 68 and Telecordia 2.5kV surge withstand requirements
- European version certified for EN60950/EN41003 Supplementary Insulation at 250V at Pollution Degree 2
- Tape and reel packaging option available

Cat. No.	Coil		Contacts		Terminals	Net Price
	Voltage	Coil Current	Form	Carry Current		
<b>SURFACE-MOUNT</b>						
G6S-2F-DC5	5VDC	28.1mA	DPDT	2 amps	Gull-wing	<b>6.08</b>
G6S-2G-DC5	5VDC	28.1mA	DPDT	2 amps	Inside "L"	<b>6.08</b>
G6S-2F-DC12	12VDC	11.7mA	DPDT	2 amps	Gull-wing	<b>6.08</b>
G6S-2G-DC12	12VDC	11.7mA	DPDT	2 amps	Inside "L"	<b>6.08</b>
G6S-2F-DC24	24VDC	8.3mA	DPDT	2 amps	Gull-wing	<b>6.94</b>
G6S-2G-DC24	24VDC	8.3mA	DPDT	1 amp	Inside "L"	<b>6.94</b>
<b>THRU-HOLE</b>						
G6S-2-DC5	5VDC	28.1mA	DPDT	2 amps	Thru-hole	<b>5.95</b>
G6S-2-Y-DC5	5VDC	28.1mA	DPDT	2 amps	Thru-hole	<b>5.95</b>
G6S-2-DC12	12VDC	11.7mA	DPDT	2 amps	Thru-hole	<b>5.95</b>
G6S-2-Y-DC12	12VDC	11.7mA	DPDT	2 amps	Thru-hole	<b>5.95</b>
G6S-2-DC24	24VDC	8.3mA	DPDT	2 amps	Thru-hole	<b>6.68</b>
G6S-2-Y-DC24	24VDC	8.3mA	DPDT	2 amps	Thru-hole	<b>6.68</b>

NOTE: "Y" in Cat. No. specifies European version.

# High Frequency Relays

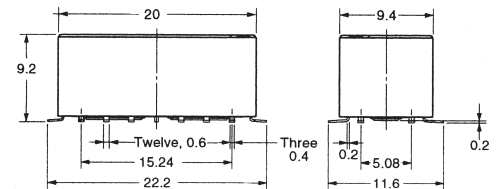
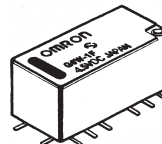


## G6K (U)-2F-RF SERIES SURFACE MOUNT RELAYS

### FEATURES:

- Surface-mounting, 1 GHz-Band, DPDT, high-frequency relay
- Superior high-frequency characteristics (at 1 GHz), such as an isolation of 20 dB min. between controls of the same polarity, or 30 dB min. between contacts of different polarity with an insertion loss of 0.2 dB max
- Miniature size: 10.3mm L x 6.9mm W x 5.4mm H
- Rated power consumption of 100mW with high sensitivity
- Single-sided stable and single-winding latching models available

Cat. No.	Coil		Contacts		Net Price
	Volts	mA	Arrang.	Amps	
<b>SINGLE-SIDE STABLE</b>					
G6K-2F-RF-DC5	5VDC	21.1mA	DPDT	1 Amp	<b>\$31.55</b>
G6K-2F-RF-DC12	12VDC	9.1mA	DPDT	1 Amp	<b>\$31.55</b>
G6K-2F-RF-DC24	24VDC	4.6mA	DPDT	1 Amp	<b>\$34.08</b>
<b>SINGLE-WINDING LATCHING</b>					
G6KU-2F-RF-DC5	5VDC	21.1mA	DPDT	1 Amp	<b>\$32.58</b>
G6FU-2F-RF-DC12	12VDC	9.1mA	DPDT	1 Amp	<b>\$32.58</b>
G6KU-2F-RF-DC24	24VDC	4.6mA	DPDT	1 Amp	<b>\$35.12</b>

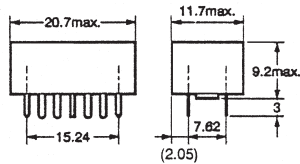
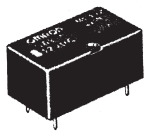


## OMRON G6W SERIES

### FEATURES:

- High-frequency relay
- Superior high-frequency characteristics
- High-frequency characteristics obtained by adopting tri-plate micro strip line design
- Size: 20mm L x 9.4mm W x 8.9mm H
- Y-shape terminal arrangement simplifies wiring to PCB's
- SMT and latching versions available
- Reverse contact arrangement also available
- Sealed structure

Cat. No.	Coil		Contacts		Net Price
	Volts	mA	Arrang.	Amps	
<b>THRU-HOLE</b>					
G6W-1P-DC4.5	4.5VDC	44.4mA	SPDT	0.5 Amp	<b>\$233.25</b>
G6W-1P-DC12	12VDC	16.7mA	SPDT	0.5 Amp	<b>\$233.25</b>
G6W-1P-DC24	24VDC	8.3mA	SPDT	0.5 Amp	<b>\$233.25</b>
<b>SURFACE MOUNT</b>					
G6W-1F-DC4.5	4.5VDC	44.4mA	SPDT	0.5 Amp	<b>233.25</b>
G6W-1F-DC12	12VDC	16.7mA	SPDT	0.5 Amp	<b>187.00</b>
G6W-1F-DC24	24VDC	8.3mA	SPDT	0.5 Amp	<b>150.00</b>

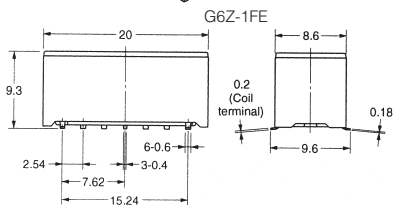
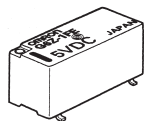
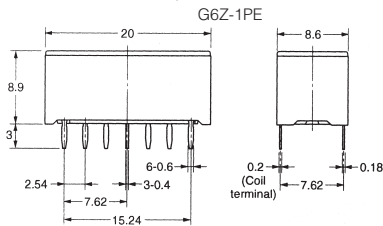
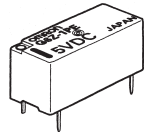


## G6Y "HIGH FREQUENCY RELAY"

### FEATURES:

- Micro Strip Line technology improves performance and cost-effectiveness
- Isolation characteristics of 65 dB or better at 900 MHz
- Effective insertion loss characteristics of 0.2 dB or better at 900 MHz (half the loss of earlier models)
- Plastic seal construction provides excellent environmental resistance
- Improved shock-resistance (double the resistance of earlier models)

Cat. No.	Contact Type	Coil Voltage	Rated Load	Net Price
G6Y-1-DC5	SPDT	DC5	0.01 A @ 30 VDC	\$5.71
G6Y-1-DC12	SPDT	DC12	0.01 A @ 30 VAC	5.71
G6Y-1-DC24	SPDT	DC24	900 MHz, 1 W Max current 0.5A	5.71



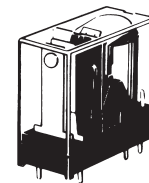
## OMRON G6Z SERIES

### FEATURES:

- Miniature 2.6GHz band, SPDT, high frequency relay
- Superior high-frequency characteristics include an isolation of 30 dB min., 60-65 dB isolation @ 900MHz, insertion loss of 0.5 dB max., and V.SWR of 1.5 max @ 2.6 GHz.
- Triplate micro stripline assures superior high-frequency characteristics
- Miniature dimensions of 20mm L x 8.6mm W x 8.9mm H
- Available models include single-coil latching (200mW), dual-coil latching (360mW) and models with reverse contact arrangement
- Series include versions with an E-shape terminal structure, and models with a Y-shape terminal structure, allowing greater freedom with PCB design
- Models with 75 ohm impedance and 50 ohm impedance are also available
- Surface mount relays available in tube packaging or tape-and-reel packaging

Cat. No.	Coil Volts	Contacts		Impedance Ohms	Terminals	Net Price
		Arrang.	Amps			
<b>THRU-HOLE, NON-LATCHING</b>						
G6Z-1PE-DC5	5VDC	SPDT	0.5 Amp	75	E-shape	\$9.60
G6Z-1PE-DC12	12VDC	SPDT	0.5 Amp	75	E-shape	10.04
G6Z-1PE-DC24	24VDC	SPDT	0.5 Amp	75	E-shape	10.04
G6Z-1PE-A-DC5	5VDC	SPDT	0.5 Amp	50	E-shape	11.59
G6Z-1PE-A-DC12	12VDC	SPDT	0.5 Amp	50	E-shape	11.59
G6Z-1PE-A-DC24	24VDC	SPDT	0.5 Amp	50	E-shape	11.59
G6Z-1P-DC5	5VDC	SPDT	0.5 Amp	75	Y-shape	10.04
G6Z-1P-DC12	12VDC	SPDT	0.5 Amp	75	Y-shape	10.04
G6Z-1P-DC24	24VDC	SPDT	0.5 Amp	75	Y-shape	10.48
G6Z-1P-A-DC5	5VDC	SPDT	0.5 Amp	50	Y-shape	10.91
G6Z-1P-A-DC12	12VDC	SPDT	0.5 Amp	50	Y-shape	11.34
G6Z-1P-A-DC24	24VDC	SPDT	0.5 Amp	50	Y-shape	11.34
<b>SURFACE-MOUNT, NON-LATCHING</b>						
G6Z-1FE-DC5	5VDC	SPDT	0.5 Amp	75	E-shape	10.48
G6Z-1FE-DC12	12VDC	SPDT	0.5 Amp	75	E-shape	10.91
G6Z-1FE-DC24	24VDC	SPDT	0.5 Amp	75	E-shape	10.91
G6Z-1FE-A-DC5	5VDC	SPDT	0.5 Amp	50	E-shape	11.34
G6Z-1FE-A-DC12	12VDC	SPDT	0.5 Amp	50	E-shape	11.34
G6Z-1FE-A-DC24	24VDC	SPDT	0.5 Amp	50	E-shape	11.34
G6Z-1F-DC5	5VDC	SPDT	0.5 Amp	75	Y-shape	10.91
G6Z-1F-DC12	12VDC	SPDT	0.5 Amp	75	Y-shape	11.34
G6Z-1F-DC24	24VDC	SPDT	0.5 Amp	75	Y-shape	11.34
G6Z-1F-A-DC5	5VDC	SPDT	0.5 Amp	50	Y-shape	11.78
G6Z-1F-A-DC12	12VDC	SPDT	0.5 Amp	50	Y-shape	12.22
G6Z-1F-A-DC24	24VDC	SPDT	0.5 Amp	50	Y-shape	12.22

## Power PCB Relays



1.00"H x 1.14"L x 0.51"W

### OMRON G2R-SERIES

Miniature, slim-style 10 amp power relays, ideal for space saving on PCBs with an over surface of more than .31" (8mm) between coil and contacts and flux-tight construction.

#### OMRON G2R SERIES SLIM-STYLED PC BOARD-USE RELAY

Cat. No.	Coil		Contacts		Net Price
	Volts	mA	Arrang.	Amps	
G2R-1-DC5	5 VDC	106 mA	SPDT	10 Amp	\$5.26
G2R-1-DC12	12 VDC	43.6 mA	SPDT	10 Amp	5.26
G2R-1-DC24	24 VDC	21.8 mA	SPDT	10 Amp	5.26
G2R-1-E-DC5	5 VDC	106 mA	SPDT	16 Amp	6.33
G2R-1-E-DC6	6 VDC	88.2 mA	SPDT	16 Amp	6.33
G2R-1-E-DC12	12 VDC	43.6 mA	SPDT	16 Amp	6.33
G2R-1-E-DC24	24 VDC	21.8 mA	SPST	16 Amp	6.33
G2R-1A-E-DC5	5 VDC	106 mA	SPST	16 Amp	5.73
G2R-1A-E-DC24	24 VDC	21.8 mA	SPST	16 Amp	5.73

#### 2 POLE TYPES, SEALED

G2R-2-DC5	5 VDC	106 mA	DPDT-NO	5 Amp	7.14
G2R-2-DC5	5 VDC	106 mA	DPDT	5 Amp	6.23
G2R-2-DC12	12 VDC	43.6 mA	DPDT	5 Amp	6.23
G2R-2-DC24	24 VDC	21.8 mA	DPDT	5 Amp	6.23